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ABSTRACT

The seventh in a series begun in 1970, the report summarizes information received from State Research Coordinating Units (RCU's) regarding research activities conducted under Section 131 (b) of Part C of the Vocational Education Amendments of 1968. Covering the second six months of fiscal year 1973, the purpose of the report is to provide information that will assist States to be aware of research and development conducted by other States, thus facilitating exchange of information and reducing duplication of effort. Organized alphabetically according to States, each individual report includes program directors' names, titles of projects completed, new projects funded, research related activities, and projects and activities still in the planning stage. The report indicates that by the end of the fiscal year 1973, more than 300 new grants and contracts were approved, with approximately 50 percent of the projects relating to career education and development of curricula and instructional material. Titles reported for other studies indicate continued emphasis in the areas of evaluation, administration and planning, including investigations into improving management information systems for followup and data analysis. (Author/MW)

ED 099681

SEMIANNUAL REPORT

ON

STATE RESEARCH COORDINATING UNIT ACTIVITIES

FOR THE PERIOD

JANUARY 1, 1973 - JUNE 30, 1973

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OCTOBER 1973

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Howard F. Hjelm, Director

OCTOBER 1973

FOREWORD

This report summarizes information received from State Research Coordinating Units (RCU's) regarding research activities conducted under Section 131(b) of Part C of the Vocational Education Amendments of 1968. This report covers the second six months of Fiscal Year 1973. The purpose of the report is to provide information that will assist States to be aware of research and development conducted by other States, thus facilitating exchange of information and reducing duplication of effort.

This Semiannual Report has been prepared by Larry Braaten and Frances Watson of the Demonstration Branch of the Division of Vocational Education Research. This is the seventh in a series of reports on the activities of the State RCU's. The previous reports are listed below:

a. Annual Report on State Research Coordinating Unit Activities For Fiscal Year 1970 (ED-053-293)

b. Semiannual Report on State Research Coordinating Unit Activities for the Period July 1, 1970 to December 31, 1970 (ED-052-381)

c. Semiannual Report on State Research Coordinating Unit Activities for the Period January 1, 1971 to June 30, 1971 (ED-067-463)

d. Semiannual Report on State Research Coordinating Unit Activities for the Period July 1, 1971 to December 31, 1971 (ED-068-718)

e. Semiannual Report on State Research Coordinating Unit Activities for the Period January 1, 1972 to June 30, 1972 (ED-076-781)

f. Semiannual Report on State Research Coordinating Unit Activities for the Period July 1, 1972 to December 31, 1972 (ED-080-720)

Copies of the above reports with assigned ED numbers can be obtained from the ERIC Document Reproduction Service.

Howard F. Hjelm
Director, Division of
Vocational Education Research

October 1973

INTRODUCTION

For fiscal year 1973, the States received $9 million under Section 131(b) of Part C of the Vocational Education Amendments of 1968. These funds could be used for paying up to 75 percent of the costs of the State Research Coordinating Unit (RCU) and for grants and contracts covering 90 percent of the costs of research and/or developmental projects. The minimum received was $11,855 by Alaska and the maximum was $751,698 by California. Thirty-one States received more than $100,000 for research and development. Among these 31 States, 9 received more than $200,000 and 7 more than $300,000.

By the end of the fiscal year, nearly all of the States reported the expenditure of FY 1973 funds for grants and contracts. More than 300 new grants and contracts were approved, with approximately 50 percent of the projects relating to career education and development of curricula and instructional material. Titles reported for other studies indicate continued emphasis in the areas of evaluation, administration and planning, including investigations into improving management information systems for followup and data analysis.

In addition to the main function of administering the State's R&D program, reports indicate that extensive consultant services are being provided to teachers and researchers in both the secondary and postsecondary institutions. An increasing number of States are striving to improve dissemination functions and are bringing the products of R&D directly to the practitioner. Especially significant is the increasing utilization of microfiche and the development of search and retrieval capabilities within the State department headquarters.

The nature of the projects reported tends to indicate that State-administered R&D projects are making worthy contributions to the research literature and have provided significant assistance to many communities in launching career education programs. A review of FY 1973 listings in Research in Education (RIE) and the AIM and ARM listings published by the Center for Vocational and Technical Education at the Ohio State University, indicate a high acceptance-for-processing rate of State-produced materials.

The Semiannual Report which follows is a compilation of State Research Activity Reports covering the third and fourth quarters of FY 1973 which have been received from the States. Additional information on projects listed under the category of "new projects funded" may be found in the "Research Projects in Progress" section of Abstracts of Research and Related Materials in Vocational and Technical Education (ARM), published quarterly by the Center for Vocational and Technical Education, Ohio State University. Final reports of the "projects completed" are abstracted in the monthly issues of Research in Education and/or in the quarterly issues of ARM. All reported research projects administered by the State educational agency were included in this report, whether or not they were funded under Section 131(b) of Part C.

Summaries of

State Research Coordinating Unit

Semiannual Reports

for the period

January 1, 1973 - June 30, 1973

ALABAMA

T.L. Faulkner, State Director for Vocational Education
James R. Bishop, RCU Director

PROJECTS COMPLETED:

1. "Development of the State Plan for Vocational Education"

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Prepared report for Congress on the status of vocational education in the State
2. Completed status of industrial arts in Alabama
3. Planned vocational education work conference
4. Conducted junior college/technical institute consolidation feasibility study
5. Evaluation of an indirect method of estimating the factor structure of large data matrices
6. Evaluated and revised vocational information reporting system
7. Development of a comprehensive manpower supply and demand information system
8. Conducted labor market availability study
9. Determination of possible course offerings for given technical institutes
10. Coordination and dissemination of curriculum and research materials
11. Evaluated local program applications and computed unit entitlements for FY 74

12. Conducted attitude survey of youth clubs

13. Evaluated local and State vocational programs

14. Compilation of a history of vocational education in Alabama

15. Conducted pilot study to test revised vocational information reporting system

16. Evaluated reports of contracted research activities

17. Conducted economic studies of given areas of State

PROJECTS AND ACTIVITIES PLANNED:

1. Further implementation of manpower information data system

2. Further implementation of VIRS

3. Annual Federal, State, CAMPS and Appalachian regional commission reports

4. Annual statistical data collection

ALASKA

Louis D. Ridle, State Director for Vocational Education
Louis D. Ridle, RCU Director

PROJECTS COMPLETED:

1. "Statewide Student Followup"

2. "Project VIEW"

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED: NONE

ARIZONA

Eugene L. Dorr, State Director for Vocational Education
Sid Borcher, RCU Director

PROJECTS COMPLETED:

1. "Research Analysis for Development of Experience-Centered Curriculum"

2. "Home Economics Survey and Program Planning in the Eastern Arizona College Area"

3. "Survey and Task Analysis in Employment of the Retarded"

NEW PROJECTS FUNDED:

1. "Followup Survey of Students at Eastern Arizona College"

2. "Home Economics Survey and Program Planning in the Eastern Arizona College Area"

3. "Le Pera Elementary Career Activity Program"

4. "Motivational Math Laboratory"

5. "Pinal Career Employability Program"

6. "Research Analysis for Development of Experience-Centered Curriculum"

7. "Survey and Task Analysis in Employment of the Retarded"

8. "Yuma Union High School Career Preparation Lab Project"

RESEARCH RELATED ACTIVITIES:

1. Completed, reproduced, and disseminated the following:

	Jan	Feb	Mar	Apr	May	June
Reader-Printer Pages	505	194	635	419	3695	1698
Microfiche Reproduced	1472	1869	2201	1949	1478	1108
Hardcopy Circulated	108	45	91	49	44	51
ERIC Searches Completed	75	90	104	112	72	83

Arizona

2. Added 3,233 pieces of career education materials to the career education clearinghouse

3. Distributed 750 copies of the bibliography and index

4. Filmed over 15,000 pages of materials onto 189 microfiche

5. Continued individual and group consultations on career education materials and presentations on the clearinghouse

6. Made presentations to inservice workshops, both within the clearinghouse and within local educational agencies

7. Assisted 1,448 people who contacted the clearinghouse

PROJECTS AND ACTIVITIES PLANNED: NONE

ARKANSAS

J. Marion Adams, State Director for Vocational Education
Jack D. Ivester, RD Director

PROJECTS COMPLETED

1. "Developing a Communicative Skills Program for Ninth Grade Students"

2. "Pilot Project for Office Simulation"

3. "A Research and Demonstration Program for the Preparation of Health Occupations Teachers for Secondary and Post-Secondary Schools"

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Assisted with inservice education of several schools regarding the implementation of career education

2. Reviewed numerous proposals submitted for possible funding

3. Assisted local teachers in conducting local mini-grant activities

4. Assisted in the development of proposed projects for meeting personnel development needs

5. Participated in the evaluation of a pilot career education project

6. Provided assistance to Arkansas Career Education Project, funded under Section 131(a)

7. Preparation of selected portions of State Plan regarding Research and EPDA

8. Collected and compiled selected data regarding vocational students

Arkansas

PROJECTS AND ACTIVITIES PLANNED:

1. Providing assistance to the State Career Education Demonstration project

2. Review and assist with research and development projects, exemplary projects, and personnel development projects

3. Acquire and disseminate findings and materials requested by individuals or agencies

CALIFORNIA

Sam L. Barrett, State Director for Vocational Education
James H. Crandall, RCU Director

PROJECTS COMPLETED:

1. "Youth Guidance Systems"

2. "Profiles of Community College Students in Career Programs for Use in Occupational Counseling"

3. "A Study of Factors Associated with Willingness of Home Economics Teachers to Teach Wage-Earning Home Economics"

4. "Training in Management and Information Systems for Vocational Education in California Community Colleges"

5. "Evaluation Model Development for Marine Technology Programs"

6. "A Research Project to Test a Coordinated Instruction Employment Counseling System Focusing on Student Adjustment To Work"

7. "Action Research Training for Vocational Educators"

8. "The Ventura County Manpower Projection Model"

9. "Vocational Education Programs in California Secondary Schools"

10. "An Evaluation of Noise Levels in College Welding Laboratories and Its Effect on Student Hearing"

11. "Development and Validation of a Psychophysiological Measure of Work Capacity"

12. "Teacher Evaluation in Vocational and Career Education"

13. "Assessing the Career Development Status of Students and Teachers"

California

14. "Research to Measure the Effectiveness of Televised Instruction in Consumer Education with Disadvantaged Groups"

15. "Job Needs Survey Model for Use by Local Educational Agencies"

16. "Training of Vocational Education Teachers in Research Methodology and Writing"

17. "A Comparison of the Reading Abilities of a Junior College Population and the Readability of Their Texts"

18. "Multi-Media for Vocational Guidance"

19. "A New Approach to Instruction in Agriculture Business Management at the Secondary, Community College, and Adult Education Level"

20. "Feasibility Study of an External Degree Program in Vocational Education"

21. "Measuring Growth in Vocational Development of Secondary Students of the Santa Barbara Career Education Project"

NEW PROJECTS FUNDED:

1. "An Examination of the Effectiveness of Target Area Vocational Education Programs for Disadvantaged Persons in the Los Angeles Area"

2. "A Survey of Teacher-Pupil Relationships of California Vocational Agriculture Teachers Trained by the Full Pay Intern Program"

3. "Development of a Model for Determining Needs for Vocational Education Personnel"

4. "Program Planning - Case Studies of the Impact on the Organization and Operation of School Systems After Implementing a Program That Has Components of Career Education"

California

5. "Field Testing of HumRRO Office Education Materials"

6. "A Proposed Model for Food Service and Restaurant Management Programs in the Community Colleges of California"

7. "Feasibility Study of an External Degree Program in Vocational Education"

8. "The Measurement of Attitudes of Chicano Freshmen Who Are Preparing for a Criminal Justice Career"

9. "Impact of Career Testing and Human Potential Seminar Training Upon Persistence and Performance of High Risk Students Declaring Vocational Majors"

RESEARCH RELATED ACTIVITIES:

1. Made fourteen site visits to research projects

2. Supplied 142 information requesters with the following:

   a. 218 microfiche title sent gratis
   b. 120 pieces of hard copy lent
   c. 77 microfiche loans
   d. 8 pieces of hard copy sent gratis
   e. 567 pages of xerox copy
   f. 411 pages of reader-printer copy
   g. 1,457 pages of Kalvar copies

3. Provided consultative service to individuals and agencies in universities, state colleges, county school department, local school districts and a State hospital

4. Received and reviewed sixty-six prospectuses for research projects

5. Disseminated information to agencies planning research projects

6. Developed a procedure for "Staff Initiated" research proposals that would use P.L. 90-576, Part C, Section 131(b) funding

PROJECTS AND ACTIVITIES PLANNED: NONE

COLORADO

M. G. Linson, State Director for Vocational Education
Robert F. Barnes, RCU Director

PROJECTS COMPLETED:

1. "Recruitment for Vocational Education Through Educational Television"

2. "Manpower Need Survey for Weld County Colorado"

3. "Experimental Program for Career Education Inservice Training"

4. "Identification of Inservice Training Needs in the Health Occupations of Northeast Colorado"

5. "Identification of Elements in the Preparation of Community College Instructors in Colorado"

6. "Evaluation of the Use of Individualized Instruction in Electronics Servicing"

7. "Identification of Job Attitude Training Needs"

8. "Identification of Teaching Strategies for Improved Job Attitudes"

9. "Development of a Vocational Education Evaluation System for Teacher Education"

10. "Providing Automated Information Searcher for Vocational Educators in Colorado"

11. "Job Market Analysis for Legal Assistants and Legal Secretaries in Colorado"

12. "Developing a Model for Computer-Based Employer and Job Placement Data Bank"

13. "Development of a Merit Pay System for Area Vocational Schools in Colorado"

Colorado

14. "A Comparative Followup of Colorado Mountain College Students"

15. "A Student Need Study of Arapahoe and Douglas Counties"

NEW PROJECTS FUNDED:

1. "Identification of Teaching Strategies for Improved Job Attitudes"

2. "A Student Need Study of Arapahoe and Douglas Counties"

3. "Job Market Analysis of the Music Instrument Servicing Industry in the Four Corners Area"

4. "An Experimental Program for Career Education Inservice Training"

5. "Development of a model for Collecting Job Task Analysis Data"

6. "Developing a Program in Career Opportunities in the Four Corners Area"

7. "Designing an Accountability Model for Community Colleges in Colorado"

RESEARCH RELATED ACTIVITIES:

1. Supported research projects that had regional or statewide impact and implications

2. Disseminated results of all research projects and State Evaluation System (SES) activities within three weeks of completion

3. Completed development of and implementing the job demand component of CMIS

4. Trained and assisted staff in implementation process of MBO for an October 1, 1973 implementation date.

Colorado

PROJECTS AND ACTIVITIES PLANNED:

1. Continue comprehensive statewide student need assessment
2. Continue secondary, post-secondary program articulation
3. Continue effective facilities and staff utilization
4. Continue curriculum improvement and development
5. Provide in-depth evaluation of selected programs
6. Provide information search activities for all vocational personnel through Northern Colorado Educational Board of Cooperative Services computorized ERIC System
7. Reproduce and distribute all research final reports and SES reports
8. Have each staff member identify minimum data requirements for effective decisionmaking
9. Work with Department of Employment and Bureau of Labor Statistics to complete data collection in all phases of the Occupational Employment Statistics program (OES)
10. Complete development of a projection matrix to project job openings from OES data
11. Complete development of Job Task Analysis data collection system
12. Develop a system for collecting data for community Human Resources and Industry Resouces components
13. Train staff in developing MBO system
14. Employ MBO technician to assit RCU staff in working with staff to develop individual job functions and objectives
15. Review and evaluate MBO system quarterly

CONNECTICUT

Joseph F. Murphy, State Director for Vocational Education
Herbert Righthand and Richard C. Wilson, RCU Co-directors

PROJECTS COMPLETED:

1. "Development and Validation of Occupational Competency Examinations for Trade and Industrial Instructors"

2. "An Experimental Pre-Vocational Training Program for Autistic and Brain-Damaged Children"

3. "Articulation of Educational Programs for Nursing-Related Health Occupations"

NEW PROJECTS FUNDED:

1. "Articulation of Educational Programs for Nursing-Related Health Occupations"

RESEARCH RELATED ACTIVITIES:

1. Administered Part C and D State projects including proposal developing, review, approval, and evaluation

2. Collected and processed end-of-year enrollment data for all vocational programs

3. Disseminated research reports, releases, and other materials

4. Held several meetings with State Data Center Analysts for revision of existing and development of new computer programs

5. Assisted in completion of Division of Vocational Education evaluation reports to State Legislature

6. Served as member of Department Executive Committee on Needs Assessment

7. Prepared copy for publication of 1972 graduate followup data

8. Worked closely with State Department of Labor in initiating needed manpower studies for vocational education

Connecticut

9. Developed State Plan for Vocational Education

10. Assisted in development of Part C and Part D discretionary programs

11. Attend and participated in various meetings and conferences

PROJECTS AND ACTIVITIES PLANNED:

1. A Study of the Staffing Needs of the State Regional Vocational-Technical Schools

2. A Study of the Staffing Needs of the Division of Vocational Education

3. Development of a Client-Need Analysis Model for Vocational Training of Handicapped, School-Age Persons

4. Statewide Study of the Need for New and Expanded Vocational-Technical School Facilities

DELAWARE

Conrad C. Shuman, State Director for Vocational Education
Burton Braverman, RCU Director

PROJECTS COMPLETED:

1. "Updating Automotive Services Program"

NEW PROJECTS FUNDED:

1. "Performance Based, Self-Paced, Individualized Instructional System -- Packaging"

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED: NONE

DISTRICT OF COLUMBIA

Paul E. Cawein, State Director for Vocational Education
Paul E. Cawein, RCU Director

PROJECTS COMPLETED:

1. "A Field Research Project to Develop and Test the Impact of Career Awareness and Achievement Motivation at the Junior High School Level--Metropolitan Council in Staff Development"

NEW PROJECTS FUNDED:

1. "The Development of a Student Followup System"

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED: NONE

FLORIDA

Joseph Mills, State Director for Vocational Education
Kenneth M. Eaddy, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Attended and participated in a variety of meetings, hearings, and committees

2. Developed guidelines and formats for placement and followup and career education programs in all districts

3. Developed audio-visual materials for career education presentations to legislative committees and other interested groups

4. Prepared and reviewed monthly, quarterly, and semi-annual technical reports from projects, and disseminated reports

5. Monitored projects in progress; held meetings with project directors, curriculum developers and evaluators; and assisted in the development of research and exemplary projects for fiscal year 1974

6. Made seven accreditation visitations to schools in Florida

7. Recommended and assisted in the planning teacher education programs and in-service workshops and activities

8. Prepared responses to recommendations from the State Advisory Council for Vocational Education

9. Prepared materials for the Research-Exemplary components of the State Plan for the Administration of Vocational Education; the Vocational, Technical, and Adult Education Division Staff Memoranda; U.S. House of Representatives report to the Perkins Subcommittee on Education; Cost/Effectiveness Study; Research Coordinating Unit/National Institute Education position paper.

10. Began development of planning activities for divisional operation of Management by Objectives and Program Planning Budgeting System

11. Conducted a visit to the Pinellas and Orange County Career Education Programs by a technical assistance team from USOE Region IV office

12. Developed a program of work for the Bureau of Vocational Research and Evaluation and developed a planning matrix

PROJECTS AND ACTIVITIES PLANNED:

1. Assist school district in the planning, implementation, and evaluation of career education programs

2. Monitor funded projects in research, exemplary, evaluation and dissemination

3. Continue to provide leadership in vocational research, exemplary, evaluation and dissemination programs designed to strengthen vocational education in the State

GEORGIA

Russell S. Clark, State Director for Vocational Education
Paul C. Scott, RCU Director

PROJECTS COMPLETED:

1. "Implementation of Career Development in Eleven Elementary Schools"

2. "Operation Guidance"

3. "Pilot and Demonstration Program in Development of a Pre- and In-Service Career and Vocational Teacher Education Program"

4. "Developing and Testing of a Total Machine Operator Individualized Instructional System for Adaptation to Individual Vocational-Technical Schools"

5. "Research Project for the Formation of a Simulated Work Experience Laboratory"

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Hosted National Conference for RCU Personnel and Regional Curriculum Lab Meeting

2. Initiated State Career Education Task Force

3. Participated on State Accountability Task Force

4. Participated in workshops and in-service activities related to dissemination of RCU-produced materials

5. Developed two new co-op programs for secondary students

6. Developed job placement program for secondary students

7. Organized job placement training summer workshop

Georgia

8. Conducted routine dissemination activities for RCU films and materials

PROJECTS AND ACTIVITIES PLANNED:

1. "Self and Career Awareness, Curriculum Development K-6"

2. "Self and Career Awareness Program Development and Installation K-6"

3. "Competency-Based Vocational Teacher Certification"

4. "Consortium to Develop Objectives for Occupational Education Programs"

5. "Career Education for Rural Georgians, Crisp and Liberty Counties"

6. "Development of an Individualized Instructional System for Mini-Exploratory Courses in Career Education at the Middle/Junior High School Level"

7. "The Diffusion of Job Placement"

8. "Project to Develop a Cooperative Program for Secondary Students in Medical Care and Allied Health Careers"

9. "Project to Develop a Cooperative Program for Secondary Students as Auxiliary Personnel in Human Services Occupations"

HAWAII

Samson S. Shigetomi, State Director for Vocational Education
Sybil Kyi, RCU Director

PROJECTS COMPLETED:

1. "Statewide Followup of Post-Secondary Vocational Education Graduates in the University of Hawaii Community Colleges"

2. "Followup Study of Vocational Education Dropouts"

3. "Kauai Community Occupational Survey"

4. "Community College Instructor's Survey of Occupational Education Needs in Hawaii"

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Produced the following reports through the VERSE System (Vocational Education Retrieval System and Evaluation) for Spring 1973 and FY 72-73:

   a. VERSE I - Enrollment Summary by College

   b. VERSE II - Enrollment Summary: Honolulu SMSA and State

   c. VERSE III - Student Summary by College

   d. VERSE IV - Student Listing of Special Programs by College

PROJECTS AND ACTIVITIES PLANNED:

1. Publication of Results of Health Manpower Survey

2. A Continued Statewide Followup of Post-Secondary Vocational Education Graduates in the University of Hawaii Community Colleges for FY 1973

3. Feasibility of Study for Developing a Diversified Occupations Training Program

IDAHO

Roy D. Irons, State Director for Vocational Education
Kenneth E. Hanson, RCU Director

PROJECTS COMPLETED:

1. "Development of Techniques for Simulation of Data Processing"

NEW PROJECTS FUNDED:

1. "A Comprehensive Career Education Program for Grades 7-9, Supplements Commissioners"

2. "Home Economics Related Occupational Classes"

3. "Reproduction of POWER Packets"

4. "Reproduction of REACH Curriculum"

RESEARCH RELATED ACTIVITIES:

1. Distribution of Data Processing Packets

PROJECTS AND ACTIVITIES PLANNED:

1. Distribution of POWER Packets

ILLINOIS

Sherwood Dees, State Director for Vocational Education
Ronald D. McCage, RCU Director

PROJECTS COMPLETED:

1. "Nuclear Radiation Project Phase II"

2. "Maximizing Human Resource Development in the Five County Tier Region of Southern Illinois: An Occupational Education Planning Grant Phase I"

3. "A Study to Determine the Feasibility of Implementing Joint Agreements for More Efficient Utilization of Secondary, Area Centers, and Post-Secondary Resources and Facilities"

4. "Cost Differential Analysis in Regular Secondary Vocational Programs and Area Vocational Centers in Illinois"

5. "Development of a Systematic Approach to Followup Evaluation"

6. "Air Frame Power Mechanics Program for Upper Classmen High School Students Phase III"

7. "Aviation Mechanics Program Phase III"

8. "An Exemplary Program in Technical Education: Industrial Engineering Technology Based on Measurably Stated Behavioral Objectives Phase II"

9. "LPN-RN Program Phase II"

10. "Demonstration Center for Comprehensive Occupational Education Program Planning"

11. "Career Education Information Campaign"

12. "A Demonstration Center to Exhibit the Merits of a Cooperative Education School Leaver Program and Ways They May Be Originated"

Illinois

13. "A Drive-In Conference for All Community Colleges in Illinois Interested in Learning About Programs for High School Leavers at the Community College Level"

NEW PROJECTS FUNDED:

1. "Develop and Test a Systematic Approach for Implementation of a Statewide Student Based Management Information System"

2. "Statewide Assessment: Programs for the Disadvantaged (Secondary and Post-Secondary)"

3. "Manpower Assessment of New and Emerging Jobs in Environmental Areas"

4. "A Study to Determine the Feasibility of Implementing Joint Agreements for More Efficient Utilization of Secondary, Area Centers, and Post-Secondary Resources and Facilities"

5. "Computer Based Guidance"

6. "Coal Mining Technology"

7. "An Exemplary Project for Minority Group Children in the Elementary School Using Career Demonstration Centers"

8. "Secretarial Science Program"

9. "Counselor Support System (Technology and Education)"

10. "East St. Louis Career Education Project"

11. "Illinois Network for School Development"

12. "Third Party Evaluation"

13. "The Development of a Career Education Model for Grades 7-10"

14. "Career Education Resource Laboratory"

Illinois

15. "Production of Multiple Copies of a 15-30 Minute Film Based on Illinois Developments in Career Education"

16. "To Review, Synthesize and Annotate the Body of Literature Written Since March 1970 in the Areas of Career Development and/or Career Education"

17. "A Demonstration Center to Exhibit the Merits of a Cooperative Education School Leaver Program and Ways They May Be Originated"

18. "A Drive-In Conference for All Community Colleges in Illinois Interested in Learning About Programs for High School Leavers at the Community College Level"

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED:

1. Support research and development activities designed to upgrade occupational education programs at the local level through the development and implementation of new and innovative programs and techniques

2. Support for studies that provide information for decision-making and management at the State and local levels

3. To provide support for innovative ideas originating at the local level which promote the major goals for FY 1974 for research, development, and exemplary activities

4. Support research and development activities which provide for the planning, testing, and implementation of sound career education concepts and materials in local educational agencies

5. To provide support for research, developmental, and exemplary activities in consumer and homemaking education and cooperative education as outlined in Parts F and G of P.L. 90-576

INDIANA

Don K. Gentry, State Director for Vocational Education
Carol Ann Hodgson, RCU Director

PROJECTS COMPLETED:

1. "Feasibility Study"

2. "Mobile Training Unit - A Total Community Approach to Career Guidance"

3. "Mini-Grant to Develop A Presentation Depicting the Use of the Learning Activity Packs in the Classroom"

NEW PROJECTS FUNDED:

1. "A Feasibility Study of the Need to Establish A Youth Organization for Interdisciplinary Cooperative Education (ICE) Programs in Indiana"

2. "Mini-Grant for the Assessment of the Duties and Responsibilities of Vocational Education Administrators in Indiana"

3. "Subject Matter Content and Teaching Methods Appropriate for A Junior High Agricultural Program"

4. "Evaluation of Consumer Education Foundations"

5. "Intensive Office Laboratory Followup and Evaluation - Part III"

6. "Mini-Grant to Develop A Presentation Depicting the Use of the Learning Activity Packs in the Classroom"

7. "A Program to Develop A Laser As An Electronics Class Project"

8. "Development Project At Indiana State University Resource Center"

Indiana

9. "A Project to Research the Coordination and Communication Possibilities Between State Agencies Involved with Vocational Education and Promotional Activities to Implement Concluded Programs"

10. "An In-Depth Study and Evaluation of the Vocational Horticulture Programs in the Secondary Schools of Indiana"

11. "A System to Integrate Efforts of Universities' Counselor Educators and Vocational Educators to Develop A Stronger Counselor Training Program"

12. "Instructional Materials Laboratory Maintenance of the Development for In-Service and Pre-Service Vocational Technical Teacher Education"

13. "The Development of A Vocational Management By Results Model for State and Local Vocational Administration to Create An Annual and Five-Year Plan for High Schools in Indiana"

14. "Career Education Program Helping All in Counseling"

15. "A Study of Vocational Education Teachers of the Disadvantaged with Implications for Teacher Education"

16. "An Identification of Employment Patterns and Analysis of Factors Influencing the Earning of Indiana High School Vocational Graduates"

17. "Development of A Pre-Vocational Program for Freshmen Students in A Comprehensive Area Vocational School"

RESEARCH RELATED ACTIVITIES:

1. RCU Coordinator attended a 3-day AERA Evaluation Seminar and a 4-day RCU Directors Conference in Georgia

2. Cooperated with a technical assistance visitation by USOE, Spring, 1973

PROJECTS AND ACTIVITIES PLANNED:

1. RCU will be writing RFP's and soliciting prospectus

IOWA

William O. Schuermann, State Director for Vocational Education
Kenneth M. Wold, RCU Director

PROJECTS COMPLETED:

1. "Identification of Competencies for Occupations in Clothing Apparel and Textile Industry in Iowa"

2. "Identification of Competencies for Family and Community Services Occupations in Iowa"

3. "An Occupational Analysis of Job Titles and Related Competencies Required for Entry into the Skilled and Technical Occupational Levels of the Plastics Industry of Iowa"

4. "Identification of Tasks in Occupations Related to Interior Design and Furnishings"

NEW PROJECTS FUNDED:

1. "Career Needs Assessment for Merged Area II"

2. "Area X Career Education Needs Assessment Project"

3. "Determine the Career Education Needs for Merged Area XII"

4. "Instructional Materials Development and Articulation in Career Education"

5. "Third Party Evaluation of the Iowa Project No. S-346"

6. "Workshop in Curriculum Organization and Development in Agribusiness and Natural Resource Education"

7. "The Development of a List of Competencies for Office Occupations"

8. "The K-8 Career Curriculum Project, Phase II, Staff Development and Implementation"

Iowa

RESEARCH RELATED ACTIVITIES:

1. Completed and disseminated to all area school superintendents the statewide student survey data collection and preliminary data reports

2. Completed student followup survey with a total return of 49 percent. Processing of these data was commenced.

3. Completed labor supply survey and nearly completed the statistical analysis and data processing for the area

4. Revised for printing the publication "Growth and Development of Career Education in Iowa," under the new title "Career Education Trends in Iowa: 1968-1972"

5. Made visits with project directors and their staffs to review and assess the progress of their research projects

6. Attended various meetings, workshops and seminars pertaining to planning, curriculum development, and evaluation in career education

7. Support Services Section as part of the Career Education Division established section objectives and budget for FY 1974

8. Prepared descriptive and statistical reports for the Honorable Carl D. Perkins and for Project Baseline

9. Prepared and submitted to the USOE a final federal report and addendum on the discretionary 9-12 career education project

10. Prepared a publication, "Population Needs Profiles" for each of the 15 merged areas in Iowa

PROJECTS AND ACTIVITIES PLANNED: NONE

KANSAS

John E. Snyder, State Director for Vocational Education
Wilbur Rawson, RCU Director

PROJECTS COMPLETED:

1. "Kansas Manpower Utilization System for Training (K-MUST)"
2. "Computerization of Vocational Funding Formula"

NEW PROJECTS FUNDED:

1. "A Study of Kansas Printing Plant Operations"
2. "IACP Teacher Competencies"
3. "Ten-State Consortium for DE Materials"
4. "Conceptual Base for Industrial Education"
5. "Manpower Needs for Agribusiness"
6. "Researching Curriculum Materials in Agribusiness and Natural Resources"
7. "Computerizing Vocational Program Approval"
8. "Status of Post-Secondary and Vocational Technical Education"
9. "Developing Computer System for Distribution of Vocational Education Funds"

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED:

1. Vocational program updating and reorganization

KENTUCKY

Carl F. Lamar, State Director for Vocational Education
Robert Schneider, RCU Director

PROJECTS COMPLETED:

1. "Review of Career Education in Kentucky"

2. "Development of an Administrative Manual for Vocational Education"

3. "An Analysis of the Image of Vocational Education in Kentucky"

4. "The Development and Tryout of a System for Evaluating Programs of Vocational Teacher Education"

5. "Attitudes of Kentucky Secondary Teachers Toward Consumer Issues and Emphasis Given These Issues"

6. "Analysis of Problems Encountered by Classroom Teachers Associated With Their Involvement in the Kentucky Regional Career Education Development Project"

NEW PROJECTS FUNDED:

1. "Principal's Orientation Research Project"

2. "Review of Career Education in Kentucky"

3. "Research Related to the Regional Career Education Development Project: Kentucky Vocational Region III"

4. "Research Related to Bowling Green Independent School System's Comprehensive Career Education Model"

5. "Effects of a Program of Career Education in the Hazard Region"

6. "Two Hour Vocational Classes at the Laurel County Area Vocational School"

Kentucky

7. "Attitudes of Kentucky Secondary Teachers Toward Consumer Issues and Emphasis Given These Issues"

RESEARCH RELATED ACTIVITIES:

1. A research proposal for the design of a model for the evaluation and revision of adult education programs

2. A study of the relationship of expressed and tested vocational interests of ninth grade disadvantaged and non-disadvantaged students

3. The relationship of selected teacher characteristics to teacher effectiveness

4. Class of introduction to careers

5. Career workshop

6. Observation of DE teachers to determine equipment utilization

7. A followup study of the Bardstown High School graduating classes of 1970, 1971, and 1972

8. A study to determine effective teaching methods of the directions given on commercial household products with EMR's and "normal" students

9. Handbook of administrative policies as they relate to vocational instruction ROPES Region IX

PROJECTS AND ACTIVITIES PLANNED:

1. "The Development of Instructional Materials in Agricultural Mechanics for Teachers of Secondary Programs in Vocational Agriculture"

2. "Development of Instructional Materials for Teachers of Adult Programs in Vocational Fire Services"

3. "Accelerated Development of Instructional Units for Teachers of Adult Programs in Vocational Agriculture"

4. "Plans for Developing Trade and Industry Courses of Study"

5. "A Field Trial and Analysis of Selected Occupational Guidance Activities with Counselor In-Service Education--(3rd year of a 5-year study)"

LOUISIANA

Kirby K. Awagain, State Director for Vocational Education
Gertrude Enloe, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES.

1. Completion of a feasibility study to determine the need for establishing vocational-technical schools in 27 parishes designated by the Louisiana Legislative Acts of 1972

2. Served on committee for drafting bonding legislation for the upgrading and expansion of vocational-technical education in Louisiana

3. Assisted in writing the vocational education phase of the Plan for Career Education in Louisiana

4. Updated information concerning enrollment and course offerings of Louisiana's vocational-technical schools

5. Assisted in planning new projects in career education

6. Attended various conferences

PROJECTS AND ACTIVITIES PLANNED: NONE

MAINE

Elwood A. Padham, State Director for Vocational Education
Charles Ryan, RCU Director

PROJECTS COMPLETED:

1. "Career Planning Program"
2. "Supportive Services for Vocational Education Students"
3. "Modern Forestry Practices"
4. "Workers and Me"
5. "Evaluation of A Planned Program of Career Education"
6. "Cooperative Concept of Career Education"
7. "Diagnostic Aids for Guidance and Counseling at the Vocational-Technical Institutes"
8. "Survey Instrument/Techniques for Followup Evaluations"
9. "Associate Degree Program in Plant and Soil Technology"
10. "Consortium in Higher Education"
11. "Development and Implementation of a Comprehensive Career Education Guide for Grades K-12, in Maine Schools"
12. "Prediction of Success in Selected Vocational-Technical High School Programs"
13. "Project COVE-Coastal Opportunities in Vocational Education"
14. "Accelerated Typewriting Program in the High School Through the Use of Homework"
15. "Westbrook Educates for Business"

NEW PROJECTS FUNDED:

1. "Career Awareness Curriculum Project K-6"

Maine

2. "Institute for Improvement of Career Counseling Competencies of Experienced Maine School Counselors"

3. "Influences on Career Development of the Elementary School Child"

4. "Career Education"

5. "Career Days"

6. "Career Education Program for A Rural School"

7. "Mobile Career Education Classroom"

8. "Satellite Career Center"

RESEARCH RELATED ACTIVITIES:

1. Provided consultant services to various agencies, institutions and school districts

2. Presented career education concepts to a variety of groups

3. Attended various conferences and meetings on career education

4. Provided enrollment figures for FY 1973 USOE statistical reports

5. Provided quarterly reports and consulted with bureau consultants regarding various in-house projects funded under Parts C and D

6. Reviewed proposals and made recommendations for appropriate action

7. Sponsored the attendance of three persons at the Regional Briefing Session on Career Education in May, 1973

8. Visited project sites in March, April, and May to confer with directors and assess progress: Project PACE, S.A.D. #37, S.A.D. #9, and Hampden Academy

PROJECTS AND ACTIVITIES PLANNED: NONE

MARYLAND

James L. Reid, State Director for Vocational Education
Marinus A. Kip, RCU Director

PROJECTS COMPLETED:

1. "Determination of the Manpower Needs and Student Interests for the Aviation Industry in Maryland"

2. "A Comprehensive Follow-up of all Entrants to the Catonsville Community College from the Fall of 1966 through the Fall of 1968"

3. "Research and Development of a Computer-Assisted Instruction Center for Post-Secondary Vocational Projects, Phase III"

4. "Investigating Relationships between High School and Community College Occupational Programs and Implementing Procedures on an Experimental Basis"

5. "A Vocational Education Development Project for the Disadvantaged"

NEW PROJECTS FUNDED:

1. "Para-professionals as Debt, Nutrition and Medicare"

2. "A Research Project To Develop Model Curricula for Food Technician Programs"

3. "An Emperical Determination of Three Career Program Planning and Development Aspects: Articulation, Community Participation, and Faculty Commitment"

4. "Career Information Resource Center for Learning Experiences"

5. "Compilation and Dissemination of Existing Research Findings concerning the Vocational Industrial Teacher in the State of Maryland"

6. "A Study To Assess the Feasibility of Installation of a Computer and/or an Information Dissemination System for Vocational Education in the Allegany County Resource Center"

Maryland

7. "Research and Development of a Computer-Assisted Instruction Center for Post-Secondary Vocational Projects, Phase IV"

8. "Evaluation Planning at the Wye Institute"

RESEARCH RELATED ACTIVITIES:

1. Conducted a comprehensive high school graduate followup study on all Maryland high school graduates, with special interest in the world of work

2. Conducted an evaluation and validation study on Maryland's RCU-designed and operated vocational student and teacher data system

3. Completed the design and construction of programmatic and institutional evaluation instrumentation

4. Completed evaluation and validation of certain exemplary projects

5. Completed evaluation of career program curriculum and institute materials

6. Conducted a study of discriminant function analysis under violation of assumptions characterized by the differential factor structures in correlation matrices

PROJECTS AND ACTIVITIES PLANNED:

1. A comprehensive programmatic and institutional evaluation of the Wicomico Vocational-Technical Center, aimed at piloting the RCU-produced evaluation materials and instrumentation

2. Design and installation of an RCU-based Vocational-Education Information Dissemination Center

MASSACHUSETTS

Charles H. Buzzell, State Director for Vocational Education
Ronald J. Saris, RCU Director

PROJECTS COMPLETED:

1. "ESCOE"
2. "MECA"
3. "FEEDER"
4. "New Urban League"
5. "Operation Fire Camp"
6. "Career Education Survey"

NEW PROJECTS FUNDED:

1. "E./D. Model"
2. "X4T (Weymouth)"
4. "Boston University"
5. "Boston Occupation Resource Center"

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED:

1. "Proposal Writer Survey"

MICHIGAN

Arnold Loomis, State Director for Vocational Education
Stanley Rumbaugh, RCU Director

PROJECTS COMPLETED:

1. "Mini-Man Power Project"
2. "Educational and Career Exploration System (ECES)"
3. "Winter and Summer Resort Technical Education Project"
4. "Shared-Time Vocational Education Program"
5. "Community Stationed Contracted Vocational Skill Training"
6. "A Special Project to Eliminate Education Disadvantages (SPEED)"
7. "Guidance Under An Industrial Directed Effort (GUIDE)"
8. "Work Experience Program"
9. "Occupational Teacher Education"

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Completed management skills inservice training for State vocational education staff
2. Continued development of computerized Vocational Education Support System
3. Began planning for third phase of career achievement skills project
4. Participated in ESEA Title III and directed Federal Part D project evaluation
5. Assisted in planning for career education model development and dissemination

6. Participated in State Civil Service position analysis

7. Provided logistical support for 33 career education awareness meetings held throughout the State

8. Continued consultation to Detroit Vocational Area Study

9. Completed Statewide career education awareness survey instrumentation

10. Began planning on a study concerning the development of a funding system to improve the delivery and vocational education services

11. Evaluation of Part D exemplary projects nearly completed

12. Provided consultant services to Michigan State Advisory Council for Vocational Education

13. Began planning on the development of a Computerized Manpower Information System

PROJECTS AND ACTIVITIES PLANNED:

1. Continue consultation to the Michigan State Advisory Council for Vocational Education

2. Complete evaluation of seven Part D exemplary projects

3. Continue development of a comprehensive Manpower Information System

4. Complete study concerning the development of a funding system

5. Continue development of computerized vocational education information support system

6. Continue monitoring of Part C - R&D projects

7. Development and conduct of inservice for vocation specialists in use of information system

8. Continue development of career education dissemination strategy

MINNESOTA

Robert P. Van Tries, State Director for Vocational Education
Jerome Moss, Jr., RCU Director

PROJECTS COMPLETED:

1. "In-Service Training in the Methods and Materials of Individualizing Instruction in Distributive Education"

2. "Fashion Merchandising Career Exploration Learning Materials Project"

3. "A Proposal to Develop Individualized Learning Packages for Selected Post Secondary Occupational Programs of Two Years Duration or Less"

NEW PROJECTS FUNDED:

1. "Career Education Workshop for Elementary Teachers and Administrators: A Pilot Project"

2. "Individualized Performance Based Curriculum at the Minneapolis Area Vocational-Technical Institute"

3. "Experiential Educational Administration Program for Local Administrators"

RESEARCH RELATED ACTIVITIES:

1. 2,500 copies of a publication describing the R&D management system for the State was distributed to selected State and national audiences

2. Provided consultant services to vocational educators in the State and to various State and national agencies

3. Added 4,000 new documents to the RCU library; 2,000 requests for library materials were received and filled; about 1,500 individuals used the library facilities

4. Administered the USOE-sponsored doctoral program for 18 students and a continuation proposal for a one-year doctoral fellowship for 20 students

Minnesota

5. Distributed 2,000 copies of a study assessing high school students' perceptions of post-secondary AVTI's and junior colleges in Minnesota

6. Developed and operated a system for conducting a formative and summative evaluation of eight career education projects

7. Developed, pilot tested, and revised three criterion measures for career education programs for grades K-3, 4-6, and 7-9

8. Revised the procedure and data collection instrument necessary to assess the quantity of pre-service vocational training in the State

9. Conducted an evaluation of the 1972 Annual Regional Vocational Conference located at Mankato, Bemidji and Minneapolis

10. Reported on the usefulness of selected criterion measures for evaluating post-secondary vocational programs

PROJECTS AND ACTIVITIES PLANNED:

1. Numerous ongoing projects will be continued

2. An expansion of efforts in career education evaluation will be initiated

3. Dissemination and diffusion of selected R&D projects will be undertaken

MISSISSIPPI

Troy V. Majure, State Director for Vocational Education
James Wall and James Shill, RCU Co-directors

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Assessment of Vocational Teacher Education in Mississippi"
2. "Statewide System for Determining Vocational Reimbursement for Local Vocational Programs"
3. "The Utilization and Dissemination of Materials Produced by the Curriculum Coordinating Unit"
4. "The Impact of Institutional Manpower Development and Training Act Program on Vocational-Technical Education in Mississippi"
5. "The Identification of Social Skills Needed in Specific Vocational-Technical Areas and Possible Instructional Approaches to Such Needs"
6. "A Study to Identify the Influence of Factors Other Than the Attainment of Job Skills Affecting the Long-Range Success of Vocational and Technical Programs"
7. "Evaluation of the Career-Centered Curriculum in the Public Schools of Mississippi"
8. "Differential Training Needs of Area High School Students"
9. "Manpower Needs of Industries in the Utica Junior College District"
10. "A Survey of Mississippi Vocational High School Home Economics Teachers' Expressed Needs for Inservice Education Programs"

Mississippi

RESEARCH RELATED ACTIVITIES:

1. Disseminated the following:

   a. Annual Report of the Mississippi Research Coordinating Unit for Vocational-Technical Education (Fiscal Year 1972)

   b. Quarterly Evaluation Reports on the Career-Centered Curriculum for Vocational Complexes in Mississippi

   c. The Career-Centered Curriculum for Vocational Complexes in Mississippi - Second Interim Report

   d. Implementing a Career-Centered Curriculum in the Public Schools of Mississippi - Semiannual Report

   e. Northeast Mississippi Career Education Opportunities Program - First Interim Report

   f. Technology and Social Change: Some Implications for Vocational Education

   g. Validation of Curriculum in Vocational-Technical Education

   h. Adapting Curriculum to Local Needs

2. Attended various meetings, workshops, seminars, pre-service and inservice courses

3. The RCU director served as Assistant Dean for Research and Development in the College of Education at Mississippi State University

4. The RCU Co-director has been engaged in the Agricultural Education Department at Mississippi State University

5. Assisted in several research studies conducted by individuals at Mississippi State University and other institutions

6. Developed videotapes and slide presentations on the implementation of career education programs in local schools to be utilized in inservice training throughout the State

PROJECTS AND ACTIVITIES PLANNED: NONE

MISSOURI

B.W. Robinson, State Director for Vocational Education
Glenn W. White, RCU Director

PROJECTS COMPLETED:

1. "Cost-Effectiveness Analysis of Post-Secondary Vocational Technical Education in Missouri Public Schools"

2. "Student Oriented Industrial Firm"

3. "The Feasibility and Planning of A Multiple Approach to Vocational Programming Which Will Meet the Career Aspirations of Students in a Rural Secondary School Setting"

4. "Development of Sufficient Skills and Abilities of Disadvantaged Students to the Level of Being Able to Succeed in Regular Vocational Classes"

5. "Evaluation of Guidance Activities in Selected Public Schools In and Around Kansas City"

6. "Design of a New Post-Secondary Co-Curricular Organization for Vocational and Technical Students"

7. "Analysis of the Missouri State Vocational Education Aid Formula"

8. "A Film/Tape Presentation on Electronic Technology"

9. "Computer-Based Occupational Simulation"

10. "New Patterns in Vocational Agriculture Education"

11. "A Survey of the Vocational Opportunities in the Central School District"

12. "Sound/Slide Instruction for the Operation of the Conventional Lathe"

13. "Development of An Individualized Instruction Plan for Electric Circuits I"

Missouri

14. "Selection of Design of A Placement Examination for Entering Freshmen Interested in Mechanical Engineering Technology or Pre-Engineering"

15. "Sound/Slide Individual Instruction in the Use of the Slide Rule"

16. "An Analysis of Factors Which Influence Student Selection of Vocational-Technical Education in Southwest Missouri"

NEW PROJECTS FUNDED:

1. "The Meaning and Value of Work, Job Satisfaction and Productivity as Perceived by Vocational Education Graduates and Teachers"

2. "Preparation and Testing of Career Education Modules for Teacher and Counselor Education"

3. "Career Awareness, Selection and Occupational Training in Agri-Business"

4. "Research Model for Career Education"

5. "Parents: Key People to Assist in Occupational Decision Making"

6. "Assess the Educational Need of Currently Enrolled College Students and Area High School Juniors and Seniors, With Academic Deficiencies as Measured by ACT, in Relationship to the Existing Programs at Missouri Western College"

7. "Establishing Vocational Skills in Severely and Profoundly Retarded Individuals"

8. "In-Service Education Model for the Dissemination and Utilization of Career Information in the Elementary School"

9. "Implementation of a Model Child Development Center Having a Full Variety of Preschool Programs"

Missouri

10. "Instructor's Guide on Health Occupations"

11. "A Proposal to Reproduce and Distribute Individualized Business and Office Materials, and to Provide Technical Assistance to Four Selected Adult Programs Serving at Least 260 Disadvantaged and Handicapped Individuals"

12. "A Project to Determine the Effectiveness and Adaptability to Individualized Instruction of the APEX Simulation Program"

13. "Prevocational Skills for Educable Mentally Retarded Students"

14. "A Survey of Southeast Missouri to Determine Farm Power Technology Needs On the Post-Secondary Level"

15. "A Research Proposal to Survey the Service Area of Three Rivers Community College in Order to Determine the Present and Future Personnel Needs in the Field of Ornamental Horticulture"

16. "A Study of the Structure, Function and Use of Local Advisory Committees on Vocational Education"

17. "Preliminary Data Collection for Revision of K-12 Communication Skills Curriculum"

18. "Followup of University of Missouri-Columbia Home Economics Education Program Entrants and Graduates from September 1, 1967 through December, 1972"

19. "Dress Pattern Alterations Related to Physical Needs of Older Women"

20. "Visuals That Will Aid in Teaching the Metric System to the Homemaker"

21. "Read, Listen and Learn About Work"

22. "Career Development in Action"

Missouri

23. "Field Testing a Child Care Worker Parent Involvement Training Packages"

24. "Development of Career Level Course: Science Activities for Children"

25. "Comparison of Two Different Methods of Dissemination of A New Teaching Technique"

26. "Establishment of a Production Unit for Slide-Tape Presentations in Hotel, Motel, and Restaurant Training at Crowder College"

27. "Discovering Yourself and Careers"

28. "An Investigation of Developmental Education Curricular Requirements for Post-Secondary Vocational-Technical Students"

29. "Administrative Structure and Relationships Between the Area Vocational School, the Local School District, and Sending School Districts in Missouri"

30. "Selected Personality Traits and Role Perceptions of Beginning Vocational Education Teachers in Missouri"

RESEARCH RELATED ACTIVITIES:

1. Conducted information retrieval and dissemination activities including a total of 576 searches resulting in distribution of 1,970 microfiche

2. Participated as visiting chairman in two on-site vocational technical evaluations

3. Provided consultative assistance to 33 principal investigators in carrying out project proposals

4. Began user's survey of the recipients of the Resource Directory (Survey included 2,250 users)

Missouri

5. Constructed plans for the MOTIS (Missouri Occupational Training Information System) Cycle II Student Accounting Component

6. Planned and developed workbook materials for fall MOTIS Cycle I data presentation workshops

7. Finalized format and began generating MOTIS Manpower Supply and Manpower Demand data

8. Planned and initiated the beginning phase of the MOTIS 120-day vocational followup of last school year's completors

9. Began final information gathering for Cycle I final report activities

PROJECTS AND ACTIVITIES PLANNED:

1. Continue activities in information retrieval and dissemination

2. Monitor approved research projects

3. Continue development of materials, methods, and procedures for the Demand Component, Student Accounting Component, Resource Inventory Component, and Manpower Supply Component

MONTANA

Benjamin Ulmer, State Director for Vocational Education
Robert Lehman, RCU Director

PROJECTS COMPLETED:

1. Employment competencies studies

   a. "Study to Determine Competencies Needed by Employees Entering Agricultural Mechanics Occupations"

   b. "A Study to Determine Competencies Needed by Employees Entering Agricultural Production Occupations"

   c. "A Study to Determine Competencies Needed by Employees Entering Agricultural Supplies and Services Occupations"

   d. "Study to Determine Competencies Needed by Employees Entering the Grain, Feed and Seed Business"

NEW PROJECTS FUNDED:

1. Agriculture workers competency studies

RESEARCH RELATED ACTIVITIES:

1. Continued the analysis of data from the Entry/Exit/Followup system; remedied machine computation problems; surveyed usefulness of the system; supervised transfer of responsibility for EEFU to RPDE component; supervised phasing out of EEFU System

2. Monitored data gathering by staff of Project Prepare at Butte Vocational-Technical Center; designed final report format; aggregated and analyzed evaluation data; wrote evaluation report, consulted on contents of final project summary report

3. Classified and consolidated Vocational Education forms in use; consulted with school personnel and State supervisors on simplified enrollment reporting procedures; constructed new reporting forms; completed secondary school reporting for Information System

Montana

4. Arranged for duplication and distribution of the Agriculture competencies study; reviewed interview procedures to be used in Agriculture production studies; explained studies in various group presentations; continued audit of Great Falls career education evaluation; presented career education agriculture study at National RCU Directors meeting

5. Attended American Education Research Association meeting

6. Consulted on assessment questionnaire concerning Handicapped/Disadvantaged programs

7. Helped construct format for annual spring meeting of Montana DECA

8. Helped with continuation proposal for EPDA-Part F; developed plan for submitting a career education curriculum laboratory proposal; reviewed Vocational Education State Plan for necessary changes

9. Set up doctoral internship program with Montana State University

10. Consulted on adapting Michigan's funding plan to Montana

PROJECTS AND ACTIVITIES PLANNED:

1. Continue to supervise and assist in the competencies surveys

2. Audit the evaluation of the Career Education Project designed to use research findings in counseling students and building curriculum

3. Complete the design and implement the post-secondary information system for use in the Vocational and Occupational Skills Component

4. Assist the Vocational and Occupational Skills Component in planning and evaluation as needed

NEBRASKA

Glen H. Strain, State Director for Vocational Education
Elton B. Mendenhall, RCU Director

PROJECTS COMPLETED:

1. "A Project to Develop A Series of Steps and Procedures for Assisting Local Education Leaders Develop Competencies Needed to Construct an Occupational Curriculum"

2. "State-Wide Computerized Model for Determining Occupational Opportunities in Nebraska, 1973 Report"

3. "Minimum Levels of Technical Competency Standards for Industrial Education Programs in Nebraska"

NEW PROJECTS FUNDED:

1. "State-Wide Computerized Model for Determining Occupational Opportunities in Nebraska, 1974 Report"

2. "Nebraska Vocational-Technical Graduate Followup and Information Dissemination System Developmental Research Project"

3. "Minimum Levels of Technical Competency Standards of Business and Office Education Programs in Nebraska"

4. "The Nebraska Occupational Competency Testing Center"

RESEARCH RELATED ACTIVITIES:

1. Disseminated monthly newsletters to 2,300 educators; 1,055 complimentary documents; Learning Resource Center Checkout -- 281 documents by mail

2. Prepared and presented research and exemplary proposals to Nebraska State Board for Vocational Education

3. Prepared proposal for Department of Economic Development; the "1973 Occupational Opportunities Report;" and the Learning Resource Center bibliography

4. Provided consultant services for various career education programs

5. Attended National RCU Directors Conference in Atlanta, Georgia

6. Participated in meetings between local education administrators and Vocational Coordinator for Education Service

7. Participated in review of exemplary projects

8. Negotiated 1973-74 contract for Nebraska Research Coordinating Unit for Vocational Education

9. Prepared and disseminated guidelines for preparation of Final Report for Vocational Research Projects

10. Served on various committees and attended various conferences

PROJECTS AND ACTIVITIES PLANNED:

1. Visitation of research and exemplary projects

2. Identification of fiscal 1974 research priorities

3. Printout of occupational data by State regions

4. Final report of third-party evaluation for Milford Career Education Project

5. Updating of master list of Nebraska employers

6. Solicit vocational research projects according to priorities

NEVADA

R. Courtney Riley, State Director for Vocational Education
Jake Huber, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Engaged in assessing the vocational R&D needs of identified LEA and SEA personnel in Nevada

2. Continued monitoring of all Part C and D projects

3. The RCU Curriculum and Resource Library had the following usage:

   a. 61 walk-in users
   b. 23 phone and mail request for information
   c. 21 information search requests

4. New additions to the library collection:

   a. 18 microfiche

   b. 54 documents

   c. 14 films (three prints of each)

5. Six issues of the RCU Newsletter have been printed and disseminated to 1,100 educators in Nevada plus 65 people across the nation

6. Developed the following publications:

   a. "Career Education for Industrial Arts Personnel or Can I Live With Career Education?"

   b. "The Role of the National System of Research Coordinating Units in the Research-to-Practice Continuum"

c. "The Status of Business Education in the Public Secondary Schools of Nevada"

7. Provided consultative services to a variety of groups and school districts

8. Developed a "Skill Center Assessment Technique (SCAT)" instrument and process which will be used to evaluate MDTA skill centers

9. Attended several conferences

PROJECTS AND ACTIVITIES PLANNED:

1. Publication of the RCU Reports

2. Publication and dissemination of selected research relevant to Nevada's vocational educators

3. Continuation and expansion of RCU curriculum and resource identification, acquisition, and dissemination activities

4. Monitoring of Parts C and D funded projects

5. Continued consulting services to LEA, SEA, advisory council, etc.

6. Development of a staff development program to improve or otherwise upgrade the R&D skills, and R&D management expertise of Nevada's LEA and SEA staff

7. Act as a resource person in the development of a Statewide plan for the implementation of career education

8. Such activities as assigned by the State Director of Vocational, Technical, and Adult Education

NEW JERSEY

Stephen Poliacik, State Director for Vocational Education
Harold R. Seltzer, RCU Director

PROJECTS COMPLETED:

1. "Apprenticeship Study"
2. "Mobile Typing Unit Study"
3. "Planning System" (Lower Camden Regional)
4. "Planning System" (Edison Township)
5. "Planning System" (Middlesex County Vocational School)
6. "Planning System" (Sommerset County Vocational School)
7. "Planning System" (Linden School District)
8. "World of Finance"
9. "World of Transportation"
10. "Occupational Research and Development Resource Center"
11. "Development of Orientation to Work"
12. "Master Planning"
13. "First Line Supervisory Study"
14. "Career Development Program"
15. "Agricultural Education"
16. "Career Development Project" (Flemington-Raritan)
17. "Career Development Project" (South Brunswick)
18. "Career Development Project" (Woodbridge Township)

New Jersey .

19. "Vocational Guidance and Counseling Project"

20. "Career Development Project" (Asbury Park)

21. "Career Development Project" (Roxbury Township)

22. "Career Development Project (Wayne Township)

NEW PROJECTS FUNDED:

1. "Career Education" (Newark)

2. "Career Education" (Woodbridge Township)

3. "Career Development"

4. "Comprehensive Guidance"

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED: NONE

NEW MEXICO

James B. West, State Director for Vocational Education
Roger Labodda, RCU Director

PROJECTS COMPLETED:

1. "TAOSCORE"

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Attended Annual Report Regulations Review
2. Part D Project "A Career Implementation Program for A Small Rural School" received Federal approval
3. Grant under EPDA upgrading vocational personnel in career education received Federal approval
4. Part C project for dissemination of a career education guide received Federal approval
5. Attended EPDA Proposal Workshop (Regional Office) and National EPDA Planning Session in Washington, D.C.
6. Submitted New Mexico's State Plan
7. Completed pilot study on Statewide inventory system
8. Completed plans for Fourth Annual Vocational Education Conference
9. Conducted manpower needs survey for the State

PROJECTS AND ACTIVITIES PLANNED:

1. Writing of Annual Reports
2. Refunding of Tri-Cultural Vocational Exploratory Career and Work Experience Education Program

New Mexico

3. Refunding of Taft Junior High School Career Education Project

4. Fourth Annual Vocational Education Conference

5. Monitoring of new and continuing projects under Part D and Part F

6. Completion of Part D project: "Develop Three Vocational Courses at the Secondary Level"

7. Implementation of Inventory System

8. Attendance at Western States RCU Conference

9. Submitting of proposals for Parts C, D, and F for '75

10. Continue manpower needs survey in the State

NEW YORK

Robert S. Seckendorf, State Director for Vocational Education
Louis A Cohen, RCU Director

PROJECTS COMPLETED:

1. "The Evaluation of Consumer-Homemaking"

2. "A Health Competencies Study done in collaboration with Hudson Valley Community College"

NEW PROJECTS FUNDED:

1. "Competencies needed by Teachers in Health Occupations Education"

2. "An Industrial Arts Teacher Mobility Study"

3. "The Development of a Model for the Installation of Reading Instruction in the Occupational Education Areas"

RESEARCH RELATED ACTIVITIES:

1. Provided consultative services to various institutions organizations and state agencies

2. Attended, hosted or participated in a variety of conferences and made presentations

3. Completed high school-college articulation study for advisory council

4. Developed questionnaires and mailed for a Travel Agent Survey being conducted by the Bureau of Distributive Education

5. Completed phase I of the Directory of Occupation's in New York State Requiring a License, Permit, or Certificate

6. Continued to attend the previews of 360° Mass Communication Career Films

7. Held meetings with both the CUNY and Cornell R&D Centers to assist in their continuing operation

New York

8. Completed the Quarterly Technical Progress Report for the period October 1, 1972 - December 31, 1972

9. Published Volume VI, Numbers 1, 2, 3, 4, and 5 of the RCU Newsletter

PROJECTS AND ACTIVITIES PLANNED:

1. Completion of the research and writing on Phase II of the Directory of Occupations

2. Presentation of the Values Position Paper to the Regents at a September meeting

3. Completion of the research and writing of Final Report of Travel Agent Survey

4. Survey and data analysis in connection with the Industrial Arts Teacher Mobility Study

5. Survey of Health Occupations Education Facilities

6. Development of a proposal to conduct research on certain areas of Jenck's Report, Inequality: A Reassessment of the Effect of Family and Schooling in America

7. The writing of a paper on the Use of Formative Evaluation in Educational Management

8. A Mini-Grant Followup Study of 37 Projects Completed in 1971-73

9. The writing of a paper on Procedures for Conducting a Mobility Survey of Educational Personnel

10. Followup of Home Economics Adult Consumer Homemaking Workshop

11. Followup of Home Economics Regional meetings regarding curriculum modules

New York

12. Evaluation of 23 funded Career Education Programs

13. A Feasibility Study concerning the possible publication of a brochure on the metric system

14. Continuation of the Health Occupations Teacher Competency Study

15. Continuation of the Apprenticeship Study in reference to core curriculum

16. Publication of ESCOE Newsletter Number 1

17. The development of an ESCOE training guide on How to Write Performance Objectives

18. Four ESCOE training sessions in practical nursing

19. Development of four ESCOE kits

20. Planning of Evaluation of ESCOE

21. Development of ESCOE plans FY 1975

NORTH CAROLINA

Charles J. Law, State Director for Vocational Education
Charles H. Rogers, RCU Director

PROJECTS COMPLETED:

1. "The Identification of Competencies and Performance Standards Associated with Women's Occupations in the Textile and Furniture Industries"

2. "The Development and Implementation of an Individually Scheduled Cluster Curriculum in Occupational Education"

3. "The Development and Demonstration of Expanded Occupational Education Experiences for Youth in Small Rural Schools"

4. "Preparation of High School Seniors as Teacher Aides"

5. "An Analysis of Factors Associated with Varying Dropout Rates"

6. "Establishment of an 'Information Center' at Forsyth Technical Institute to Design a System for Collecting and Processing Manpower Information at the Local Level"

7. "Computer Services Systems Development to Coordinate Manpower Needs With Occupational Training Programs"

8. "Development of Data Base and Methods to Measure Effectiveness of Occupational Programs"

9. "Research and Development of the Veitch Diagram Demonstrator for Use in Teaching Boolean Algebra"

10. "Restructured Registration and Instructional Options"

11. "Drafting Instruction by Audio-Visual Means"

12. "An Exploratory Study of Programming for Occupational Education in the Pamlico Education System"

North Carolina

13. "Predictive Models for Success in Occupational Education"

NEW PROJECTS FUNDED:

1. "The Dissemination of Occupational Education Research Information"

2. "Field Test and Revision Activities For the Mathematics and Communications Competency Areas of Distributive Education"

3. "Career Education Summer Project for School Personnel"

4. "Occupational Adjustment Training"

5. "The Development of a Model Designed to Expand Employment Options and Occupational Education Opportunities for Women in North Carolina"

RESEARCH RELATED ACTIVITIES:

1. Continued staff consultation and monitoring of 19 projects throughout the State

2. Consulted in the planning of 15 new proposals and projects

3. Provided extensive staff consultation and technical assistance to the Caldwell Career Education Project

4. Provided statistical, programming and analytical assistance to six locally initiated occupational projects

5. Attended and participated in various meetings, conferences and workshops

6. Initiated the first phase of a plan to diffusing product of Part C research

7. Engaged in extensive long-range planning for the Unit; including:

   - goal setting
   - research priorities
   - staff role and responsibilities
   - strategies
   - product delivery
   - evaluation

8. Provided consultation and technical assistance to graduate students and interns from nearby universities

9. Developed the Research Section of the State Plan for Vocational Education

10. Assisted the Health Occupations Section in evaluating curriculum guides

11. Prepared a major section of a special State Department of Public Instruction report on "Year-Round Schools in North Carolina"

12. Participated in a Symposium on Competency Based Teacher Education

PROJECTS AND ACTIVITIES PLANNED:

1. Develop and implement a system of dissemination of research project findings for the Occupational Research Unit

2. Develop and fund a research project to develop a competency-based teacher education model for the career education aspects of teacher training

3. Develop and fund a research project for disseminating the findings of the project to develop an occupational awareness program for the primary grades

4. Field-test and evaluate curriculum materials developed in the Sanford individualized instruction project

North Carolina

5. Continue to provide support and consultant services to the Caldwell Career Education Project as needed

6. Design and conduct a diffusion plan for transporting innovative components of the Caldwell Career Education Project

7. Provide increased technical assistance for research development efforts in the community college system

8. Plan for a three-year implementation of a model regional occupational evaluation center for the handicapped

9. Employ an additional staff member to assist existing ORU staff in implementing an expanding occupational research program

NORTH DAKOTA

Carrol E. Burchinal, State Director for Vocational Education
Donald Eshelby, RCU Director

PROJECTS COMPLETED:

1. "Development of an Auto Mechanics Curriculum"

2. "Development of a Training Program for Power Plant Operators"

NEW PROJECTS FUNDED:

1. "Demonstrative Study in Career Education -- Minot Model"

2. "Development of a Farm Management Program"

3. "Vocational Education PPBES"

4. "Development of an Inservice Training Program for Telephone Technicians in Telecommunications"

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED: NONE

OHIO

Byrl R. Shoemaker, State Director for Vocational Education
R.D. Balthaser, RCU Director

PROJECTS COMPLETED:

1. "A Comprehensive Career Development Program Grade K-10"
2. "Demonstration Project in Career Education Grade K-10"
3. "Career Development Program"
4. "Career Education Grade K-10"
5. "Career Development"
6. "Pilot Project in Career Education Grade K-10"
7. "Career Education Program"
8. "Career Development Program Grade K-10"
9. "Developing Positive Attitudes Toward the Work-A-Day World"
10. "Career Education Continuum Grade K-10"
11. "Experimental Pilot Program Designed to Assist in Expediting the Development of New Career Education Curricula Grade K-10"
12. "Career Development Program"
13. "Career Education Program Grade K-10"
14. "Wayne Vocational Area Career Education Model"
15. "Career Development"
16. "A Career Continuum Grade K-10"
17. "Career Motivation, Orientation and Exploration"

Ohio

18. "Career Development Program"

19. "Career Development Grade K-10"

20. "Ohio FFA Camp Muskingum, Inc."

21. "An Evaluation of the Ohio Career Development Program (Process Review)"

NEW PROJECTS FUNDED:

1. "Model Pre-Postsecondary Education Program for Students in Grades 11 and 12"

2. "Development of Pre-Postsecondary Education Programs in Business Administration and Social Sciences for High School Students in Grades 11 and 12"

3. "Development of Pre-Postsecondary Education Programs in Engineering and Health Occupations for High School Students in Grades 11 and 12"

4. "Development of Pre-Postsecondary Education Programs in Business Administration, Engineering, Health Occupations and Social Sciences for High School Students in Grades 11 and 12"

5. "Development of Pre-Postsecondary Education Programs in Health Occupations and Engineering for High School Students in Grades 11 and 12"

6. "Model Statewide Delivery System of Career Education"

7. "Three Pilot Career Education Programs for K-10 in Ohio"

RESEARCH RELATED ACTIVITIES:

1. Testing the Ohio Career Development Program (Product Review)

PROJECTS AND ACTIVITIES PLANNED:

1. Implementing the six programs under THRUST:

(4) Closing Statistical - Final annual enrollments for USOE reporting
(5) Followup of Enrollees - for previous year graduates
(6) Fiscal Accounting - internalized to generate controls and USOE reports

f. Thrust 6 includes the reporting of the Division of Vocational Education including:

USOE 3129 Financial Statement
USOE 3131 Expenditures by Source
USOE 3132 Expenditures by Object
USOE 3133 Construction
USOE 3136 Teachers, Teacher Training, Administrative Staff
USOE 3138 Annual Enrollments
USOE 3139 Placement

OKLAHOMA

Francis T. Tuttle, State Director for Vocational Education
William D. Frazier, RCU Director

PROJECTS COMPLETED:

1. "State Plan for Vocational and Technical Education"

2. "Occupational Training Information System, Cycle Five"

3. "Occupational Training Information System, Supplement 1--Statewide Totals and Descending Rank Order of Program Clusters"

4. "Occupational Training Information System, Supplement 2--A Followup of Graduates"

5. "Development and Testing of Modern Electronic Devices Lecture and Laboratory Modules, Final Report--Part I and Part II"

6. "A Guide for Completing the Vocational-Technical Student Enrollment, Completion, and Followup"

7. "Take 10 for a Survey of the Vocational Guidance Component of Oklahoma's Guidance and Counseling System"

NEW PROJECTS FUNDED:

1. "A Proposal for the Initiation and Implementation of a Management by Objectives System in Selected States' Departments of Vocational-Technical Education"

RESEARCH RELATED ACTIVITIES:

1. Attended, hosted or participated in a variety of meetings, workshops and committees

2. Planned agenda for the National Conference of State Directors in Washington, D.C.

3. Visited Illinois, Pennsylvania, and Minnesota to observe management information systems

Oklahoma

4. Consulted with Macro Systems, Inc. to verify the demand information data in OTIS

5. Evaluated 136 vocational programs in 43 schools

6. Conducted Management by Objectives workshops at six skill centers for city managers and the Colorado State Department of Education

7. Made presentations to numerous classes at Oklahoma State University, and over closed-circuit television, and to various local educational organizations and teacher groups

8. Conducted PDK Regional Research Symposium in Oklahoma City

9. Made presentation to Secondary School Principals Conference

10. Met with EPDA personnel in Washington, D.C.

11. Met with personnel of Channel 13 with reference to an educational television program on career education

12. Attended Career Education Day at Sand Springs, Oklahoma

13. Attended Multi-State Consortium on Research in Atlanta, Georgia

14. Met with USOE Regional Office staff in Dallas, Texas

15. Participated in National RCU Personnel Conference in Atlanta

PROJECTS AND ACTIVITIES PLANNED:

1. Complete and publish the following:
"Mini-State Plan"
"Decade of Change and Beyond for Vocational and Technical Education"
"Vocational-Technical Education 1975"

2. Conduct MBO workshops across the State

3. Complete the Adult Plan for the State of Oklahoma

4. Continue working on funding procedure for vocational education

5. Continue work on revenue information for vocational education

6. Continue work on cost accounting procedure for vocational programs

OREGON

Leonard Kunzman, State Director for Vocational Education
Dan Dunham, RCU Director

PROJECTS COMPLETED:

1. "Tigard Career Education Project"
2. "An Integrated Approach to Junior High School Career Education"
3. "Career Awareness Program for Union County"
4. "Workshop for the Improvement of Instruction in Vocational Physics"
5. "Student-Based Career Awareness Curriculum Project"
6. "Increasing The Career Awareness of Primary and Elementary School Children"
7. "A Model For Developing A Career Exploratory Program"
8. "A Proposal to Assist Oregon City School District No. 62 to Plan and Implement a SUTOE Program in an Existing Curriculum"
9. "Health Career Exploration"
10. "Educational Career Awareness Program - Career Caravan"
11. "Elementary Careers Oriented Relevant Education"
12. "Career Awareness Materials"
13. "Development of Evaluation Instrument to Determine Effectiveness of 'World of Work' Program"
14. "Computer Assisted Occupational Exploration"
15. "Open Entry/Exit Planning and Implementation"

NEW PROJECTS FUNDED:

1. "Career Awareness"
2. "Career Preparation"

Oregon

3. "Career Specialization"

4. "Career Exploration"

5. "A self-learning approach to career education in teacher preparation programs"

RESEARCH RELATED ACTIVITIES:

1. Completed the SERVE (Secondary Education Reporting of Vocational Enrollment) System for compiling data on the background of students in approval vocational programs in high school

2. Completed the CPPS (Career Program Planning System) System for providing data for the decision making process in implementation of new and extension or curtailment of existing career education programs at the exploratory, preparation (high school) and specialization (post high school) levels

3. Developed the secondary education followup system used to provide a systematic statewide analysis of the present status of secondary school students who have graduated and/or terminated training in high schools in Oregon

PROJECTS AND ACTIVITIES PLANNED: NONE

PENNSYLVANIA

John W. Struck, State Director for Vocational Education
Carroll A. Curtis, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "The Experimental In-Home Vocational Training Program in Child Care Services for Disadvantaged Mothers"

2. "The Relationship between Clinical Experience and Graduates Passing the Registered Nurse Licensing Examination"

3. "The Development of Inventory-Opinionnaire Instruments"

4. "Development of Supervised Occupational Experience Materials for Ornamental Horticulture"

5. "Evaluation of Four Career Education Projects in Pennsylvania"

6. "Computer Assisted Instruction Mathematics Project"

7. "Projections of Employment Demand by Industry and Occupations for Labor Market Areas in Pennsylvania"

8. "Evaluation of Selected Career Resource Centers in Pennsylvania"

9. "A Longitudinal Study of Vocational Development and Program Evaluation: Implications for Curriculum Planning and Vocational Guidance (Phase III)"

10. "Development of a Validated Instructional System for Hospitality Education"

11. "Multidimensional Scaling of the Concepts Which Elementary School Children Use in Perceiving Similarities in Certain Occupations"

12. "The Role and Utilization of the Library in Pennsylvania Area Vocational-Technical Schools"

Pennsylvania

13. "Area Vocational-Technical School and Intermediate Unit Relationship in Pennsylvania"

14. "The Use of Infra Sound Therapy with Deaf and Hard-of-Hearing Adults"

15. "Project IMPROVE"

16. "Film Strip Development as an Aid to Coordinate Theory and Practice on the Metalwork[illegible] Lathe"

17. "Home Economics Research - Part C" (A Career Food Service Program)

18. "The Effect of an Office Simulation on Students' Attitudes Toward Work"

19. "Computer Assisted Instruction Mathematics Project" (Continuation of #14-2115)

20. "Developmental Research-Agriculture Curriculum Development and Student Recruitment"

21. "Development of Modular Courses in Vocational Curriculum"

22. "Education in Agriculture for the Educationally Disadvantaged"

23. "Open Space Concept in Business Education"

24. "Cooperative Distributive Education for Disadvantaged Youth"

25. "Vocational Education Curriculum Center for Pennsylvania"

26. "An In-Service, Pre-Service Career Education Strategy"

27. "Supervised Independent Study Program"

RESEARCH RELATED ACTIVITIES:

1. Developed a field visit evaluation form

2. Began preliminary analysis of evaluative information from five model career resource centers in Pennsylvania

Pennsylvania

3. Continued to refine and update the manpower supply-demand model

4. Began preliminary plans relative to evaluation of PENNscripts, a Pennsylvania adaption of the VIEW concept

5. Assisted in the development of over 200 information scripts for PENNscripts

6. Established a curriculum center at Millersville State College

PROJECTS AND ACTIVITIES PLANNED:

1. Prepare CRC report

2. Complete the planning and begin implementing the evaluation of PENNscripts

3. Complete and forward to USOE the First Annual Report of the Discretionary - Part C Career Education Projects

4. Assemble and publish the third edition of "Pennsylvania's Abstracts of Research and Related Activities in Vocational Education"

5. Assist local educational agencies to implement approved research (Part C) and exemplary (Part D) projects funded directly from USOE

RHODE ISLAND

Peter Bowen, State Director for Vocational Education
Harry Stevenson, RCU Director

PROJECTS COMPLETED:

1. "Management Information System"
2. "Opening Doors to the Future"
3. "Communications and Media"
4. "Developing An Awareness of Career Opportunities"
5. "Project All About"
6. "Survival '72"
7. "Using Our Natural Resources in the World of Work"
8. "Vocations in Communications"
9. "The World of Work in the Natural Sciences"
10. "Career Awareness Program"
11. "Career Awareness Requires Elementary Students (CARES)"
12. "Secretarial Science Cluster"
13. "WINS"
14. "Exemplary Program in Career Education"

NEW PROJECTS FUNDED:

1. "Career Readiness in Consumer and Homemaker Education"
2. "Career Awareness in a Rural Community"
3. "Research and Consultant Services for Section D. Grants"

Rhode Island

RESEARCH RELATED ACTIVITIES:

1. Continued efforts in developing an MIS system for Vocational Education in Rhode Island and will be funding the further development of MIS for 1974

PROJECTS AND ACTIVITIES PLANNED:

1. Continuation of present projects
2. Development of projects in career awareness on all educational levels
3. Encouragement of special projects for dropouts

SOUTH CAROLINA

L.L. Lewis, State Director for Vocational Education
Gregory G. Morrison, RCU Director

PROJECTS COMPLETED:

1. "A Guide to Adult Educational Programs in Area Vocational Centers"

2. "A Guide to Student Placement and Followup Programs in Area Vocational Centers"

3. "The implementation and evaluation of phase one of the Model Career Education program in Lexington School District #3"

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Implemented phase two of Lexington School District #3 Career Education Program

2. Implemented a model Career Education Program located in Spartanburg County

3. Conducted a non-manufacturing occupations wage and salary survey for eighty-eight selected occupations through one hundred personal interviews

4. Completed a fifteen minute slide/tape presentation of Project VIEW, entitled "Careers on VIEWS"

PROJECTS AND ACTIVITIES PLANNED:

1. The completion of a slide/tape program documentary entitled "Career Education," approximately thirty minutes in length

2. Implementation of the revised and updated VIEW deck and guidance manual to 232 secondary and middle schools in the state

3. Workshops will be conducted for guidance counselors, school administrators, and superintendents directly associated with or interested in Project VIEW, with emphasis on project potential and methods of implementation

4. Completion of a project entitled "Continuation of the Development of a Statewide Curriculum in Graphic Communications, based on Behavioral Objectives and Self-Instructional Programs"

5. Continuation of the following projects in the Appalachian Region: Adult Vocational Education Project; Student Placement Project; Guidance Practicum Project; and the Career Clusters Project

6. Committees will be organized to revise the fourteen curriculum guides field tested during the 1972-73 school year

TENNESSEE

W. M. Harrison, State Director for Vocational Education
Garry R. Bice, RCU Director

PROJECTS COMPLETED:

1. "Evaluation of SPICE and the Contemporary Curriculum for Career Development Career Education Programs"

2. "Analysis Papers: An Evaluation of RCU-Funded Mini-Grant Projects"

3. "Data Paks"

4. "The Learning Packet Approach to Teaching Auto Mechanics/ Basic Electricity"

5. "An Emphasis on Student Vocational Education and a Study of Community Vocational Opportunities"

6. "Student Placement and Guidance"

7. "Student Placement and Guidance"

8. "A Study of the Needs of the Vocational Home Economics Program and the Development of a Course in Bachelor Living for the Maury City Public School"

9. "Followup of Vocational Graduates of Lake County High School and Survey of Job Placement"

10. "Followup Vocational Graduates of Haywood County Schools"

11. "Supplementing Instruction with Sound on Slides and Work Sheet"

12. "Development and Evaluation of a Programmed Unit of Instruction on Mail Services"

13. "A Report on the Development and Evaluation of an Occupational and Service Placement Office"

Tennessee

14. "A Study to Determine Factors Which Influence Students to Choose Two-Year Career Programs"

15. "An Intrasubject Investigation of Learner Control of Learning Modality in a Natural Setting"

16. "A Community Educates Itself on the Training Facilities Available to High School Graduates"

17. "Construction and Testing of Shorthand Dictation Material Utilizing a Systematic Pattern of Repetition for Brief Forms and Principles"

18. "Development of an Evaluation Model for Tennessee Secondary Vocational-Technical Education Programs"

19. "Cost Analysis of Secondary School Vocational-Technical Education Programs"

NEW PROJECTS FUNDED:

1. "A Survey to Determine the Need for Occupational Classes in Home Economics Careers in Sumner County"

2. "A Followup Study of Graduates of the Child Care and Guidance Program at Nashville Area Vocational-Technical School"

3. "A Study of the Vocational Needs of Central High School"

4. "Developing Curriculum Materials in Health Education Careers for Partially Sighted Students"

5. "A Followup Study of Vocational Office Education at Springfield High School"

6. "Followup of Graduates at Columbia Central High School Survey of Job Placement"

7. "Development and Production of Audio-Visual Aids for Individualized Machine Shop Instruction in the State Area Vocational-Technical School, Crossville"

Tennessee

8. "A Survey of Potential Employers and Students to Assess the Feasibility of Establishing a General Cooperative Vocational Education Program in Clay County"

9. "An Emphasis on Student Vocational Education and A Study of Community Vocational Opportunities"

10. "Introduction to Careers"

11. "A Study of Vocational Needs of Weakley County, Tennessee School System"

12. "Developing a Curriculum Guide for Vocational English at Green Brier High School"

13. "Developing Job Sheets and Related Aids for Individualized Instruction in Machine Shop"

14. "Career Guidance Services and Placement"

15. "Job Placement Services: An Exploratory Program, Hiwassee College 1972-73"

16. "A Research Study to Determine if There is a Need in Cocke County, Tennessee, for a Vocational Office Education Program"

17. "A Followup Study of the VOE Graduates of Haywood High School and a Study of Offices in the Business Community Surrounding Haywood High School"

RESEARCH RELATED ACTIVITIES:

1. Provided consultative services for various vocational-technical centers, school districts and agencies

2. Attended a variety of conferences, workshops and meetings; gave talks and presentations

3. Assisted 590 persons (other than RCU staff) using the RCU Library

4. Disseminated Circulator to 4,533 in January, 4,617 in February, and 4,607 in April

5. Mailed SDI sheets twice to 374 secondary schools, twice to 33 postsecondary schools, and once to 50 junior high schools

6. Added 96 new computer searches and 61 new manual searches were checked out of the RCU Library

7. Twenty-six manual searches and 92 computer searches were checked out of the RCU Library

8. Reproduced and disseminated 4,064 microfiche titles

9. Filled 195 SDI requests and rt circulator requests

10. Edited and disseminated "Leaders for Vocational-Technical Education" to participating EPDA institutions

11. Distributed Student Guide to Elementary INFOE to 1,000 students participating in Elementary INFOE in Tennessee, Alabama, and Georgia

12. Distributed Teachers Guide to Elementary INFOE to 45 teachers in Tennessee, Alabama, and Georgia

13. Completed following publications:

Publication	Number Disseminated January-June 1973
Index to "Query" Computer Searches - September-December 1972	175
ERIC Brochure "Have a Research Paper? Let ERIC Help"	175
An Analysis of RCU-Funded Mini-Grant Projects	100
Annotated Bibliography on Career Education for Administrators	17
Annotated Bibliography on Career Education for Postsecondary Educators	19

Tennessee

Annotated Bibliography on Career Education for Secondary Educators	44
RCU Brochure: "Tennessee Information Dissemination System"	325
"ERIC and the RCU" revised and reprinted (Information Series #16)	70
"ERIC Alert"	89
General RCU Information Brochures	201
"Career Education and the School Counselor in Tennessee	100
Career Education Brochure "A Look at Career Education in Tennessee"	392
Career Education Speeches by Marland and Others	118
"Marland on Career Education" papers	532
Quarterly Report (April 1, 1973 - June 30, 1973)	175
"Selected Data on _____County" (Data Paks)	1,932

PROJECTS AND ACTIVITIES PLANNED: NONE

TEXAS

John R. Guemple, State Director for Vocational Education
Ray Barber, RCU Director

PROJECTS COMPLETED:

1. "A Systems Approach to Placement and Followup -- A Computer Model"

2. "The American Indian in Dallas County: An Exploratory Study of His Occupational and Educational Needs"

3. "Training Paraprofessionals to Serve the Deaf"

4. "The Mexican-American in Texas: A Study of His Occupational Education"

5. "Manpower-Economic Education Project to Improve Teachers' and Pupils' Occupational Employment Knowledge and Attitude"

6. "Proposed Curriculum and Training Procedure Revisions in Vocational Nurse Education"

7. "Coping Styles and Achievement"

8. "Analysis of Career Education Needs and Potential in the Austin Standard Metropolitan Statistical Area"

9. "Evaluation of Coordinated Vocational-Academic Education in Texas"

10. "A Comparative Study of the Occupational Achievement of Vocational and Non-Vocational High School Graduates in Texas"

11. "The Development of Behavioral Objectives and Instructional Units in Selected Occupational/Technical Courses - A Pilot Project"

12. "Planning a Pilot Study Involving Associate Degree Nursing Students in Family Health Maintenance Processes"

Texas

13. "Upgrade Teacher Competencies in the Use of Career Education Materials"

14. "Internship Instructor Training Program for Occupational and Technical Subjects"

15. "Computerized Vocational Information Service"

16. "Study of Needs for Professional Personnel Development of Vocational-Technical Teachers"

17. "Development of Cooperative Planning for Technical-Vocational Programs"

18. "Job Placement and Followup"

19. "Development and Implementation of A Texas Industrial Startup System"

20. "Coordinated Effort for Career Education (CECE)- Planning and Implementation"

21. "Job Placement and Followup Research for Career Development"

NEW PROJECTS FUNDED:

1. "Computerized Vocational Information Service"

2. "Perceptions of Vocational Administrators and High School Principals Regarding the Role of the Vocational Administrator"

3. "Observed and Self-Reported Individualization Instruction by Vocational and Non-Vocational Teachers"

4. "Study of Needs for Professional Personnel Development of Vocational-Technical Teachers"

5. "A Study to Identify Data Elements for Comparative Assessment of Effectiveness and Efficiency of Technical and Vocational Programs in the Community Colleges of Texas"

6. "Development of Occupational and Technical Programs and Curriculum for Austin Community College"

7. "Vocational Education in Texas High Schools: An Ethnic Comparison"

8. "Development of Cooperative Planning for Technical-Vocational Programs"

9. "Comprehensive Manpower Study, El Paso, Texas"

10. "A Project to Develop A Competency-Based Counselor Training Program"

11. "Occupational-Technical Curriculum Development - T.V. Study"

12. "Development of a Community Career Counseling and Information Program"

13. "Cooperative Education for American Indians in Dallas County"

14. "Vocational Followup Study"

RESEARCH RELATED ACTIVITIES:

1. Reviewed and evaluated 20 research proposals

2. Approved 14 projects for funding and completed 17

3. Participated in the coordination of exemplary projects funded under Part D and career education projects funded under Part C

4. Participated in the activities of a special interagency task force to develop and implement a comprehensive manpower supply/demand data system for the State of Texas

5. Participated in the development, organization, coordination, review, publication, presentation, and dissemination of the Texas State Plan for FY 1974

Texas

6. Continued to participate in the Spring 1973 meeting of the Southwide Research Coordinating Council in San Antonio, Texas

PROJECTS AND ACTIVITIES PLANNED:

1. Three new projects have been approved for initiation

2. Anticipate approval of approximately 15 new projects

3. Emphasis will continue to be placed on curriculum development projects, manpower needs and development studies, evaluation projects, followup and placement studies

4. Emphasis will be placed on the initiation of exemplary projects focused on career awareness, investigation, and exploration

5. Development and initiation of pilot-demonstration projects in occupational education for the handicapped will be continued

6. The Annual Report for Vocational Education for Fiscal Year 1973 will be completed and forwarded to USOE

7. The division's library facilities will be expanded

8. Improved dissemination procedures will be developed and implemented

9. Continue to participate in a wide variety of activities related to research and development in occupational education and other components of career education

UTAH

Walter E. Ulrich, State Director for Vocational Education
N. Craig Kennington, RCU Director

PROJECTS COMPLETED:

1. "Evaluation of Annual [illegible]nal Education Workshop"
2. "Evaluation of 7th Grade Guidance Project"
3. "Study of Feasibility of Parent-Child Career Guidance Program"
4. "Review of State Surplus Property Program Compared to Federal Excess Property Program"
5. "Study of TV Series on Electronics for Trade and Industry Teachers"
6. "Study of Noise Levels in Industrial Education"
7. "Quantitative Comparison of Jobs Available and Training Programs Offered in Utah"
8. "Distributive Education Curriculum Project"

NEW PROJECTS FUNDED:

1. "Parent-Child-School Career Education Program for Tenth Grade Students at Logan High School"
2. "Study of Feasibility of Vocational Training in Music, Fine Art, and Drama"
3. "Office Machines Used in Student Training Programs in Post Secondary Schools as Compared with Business Usage"
4. "Extent of General Public and Educators' Knowledge of the State Board of Education"

RESEARCH RELATED ACTIVITIES:

1. Administered State Funded "Career Development (Dropout Prevention) Program"

2. Attended National Research Coordinating Unit Directors' Conference, Atlanta, Georgia, March 19-22, 1973

PROJECTS AND ACTIVITIES PLANNED:

1. Evaluation of Annual Vocational Education Workshop, June 1973

2. Impact on Community of School closures

3. Desirability of Area Vocational School on Former Site of Intermountain Indian School, Brigham City, Utah

4. Study of Vocational Program Characteristics Related to Program Success

5. Study of Vocational Education Advisory Committees

6. Study of Development of Career Planning Patterns

7. Administration of State Funded Career Development (Dropout Prevention) Program

VERMONT

Cola D. Watson, State Director for Vocational Education
Joseph P. Kisko, RCU Director

PROJECTS COMPLETED:

1. "A Study of Selected Factors Related to the Employment Status of Disadvantaged Rural Adults"

NEW PROJECTS FUNDED:

1. "A Proposal to Develop A Validated Instrument for Measuring the Effectiveness of the Mediated Self-Instructional Aspect Incorporated Into Specific Vocational Courses at Burlington High School"

2. "A Survey of the Attitudes of Business - Men and Teachers As to the Need for Data Processing Instruction in the High Schools in the State of Vermont"

3. "Addison County Vocational Interest Survey"

4. "Development of Public Safety and Law Enforcement Curriculum"

5. "Development for Curriculum for Diesel-Hydraulics Course of Instruction"

6. "Evaluation of Testing Material for Use in Career Guidance and Education"

7. "Dissemination of the Vermont Career Education Project"

8. "Research and Development Project in Career Education"

RESEARCH RELATED ACTIVITIES:

1. Project director began preparing final reports for C-72-3

2. The Development and Testing of Health Education learning activity packets for students and teachers of Vermont schools, grades 5-12 with emphasis on consumer and homemaking

Vermont

PROJECTS AND ACTIVITIES PLANNED:

1. Completing negotiations for C-73-8
2. Investigation of training aids and equipment for the transfer to metric system
3. Request proposals for additional research to meet needs
4. Visit project directors
5. Additional proposals are being evaluated for possible funding

VIRGINIA

George S. Orr, State Director for Vocational Education
Carl E. Jorgensen, RCU Director

PROJECTS COMPLETED:

1. "Information Diffusion and Research Utilization in Vocational Education"

2. "Research on Problems Concerning the Establishment of a Learning Resources Center for DE in Virginia"

3. "Follow-up Study of Former Occupational-Technical Students at Virginia Community Colleges: Phase II"

4. "Learning Resources for the Disadvantaged Student (Second Phase)"

5. "A National Review of the Goals and Outcomes of Community College Occupational-Technical Education"

6. "Development of a Computerized System to Serve the Vocational Education Program for Loudoun County"

NEW PROJECTS FUNDED:

1. "Learning Resources for the Disadvantaged Student Second Phase"

2. "Follow-up study of former occupational-technical students at Virginia Community Colleges Phase II"

3. "A National Review of the Goals and Outcomes of Community College Occupational Technical Education"

RESEARCH RELATED ACTIVITIES:

1. Completed testing of follow-up system for Vocational Education

2. Worked with Southern Association of Schools and Colleges on the Development of a Consortium for developing Catalogs of Criterion Reference objectives for Vocational Programs

3. Assisted Career Education Projects Funded with Part C Funds

Virginia

PROJECTS AND ACTIVITIES PLANNED:

1. Implementation of a State-wide Followup system for Vocational Education
2. The development of a planning and evaluation system for Vocational Education
3. Continuation of the Vocational Education evaluation project
4. Area conferences for reporting system coordinators

WASHINGTON

Arthur A. Binnie, State Director for Vocational Education
George P. Pilant, RCU Director

PROJECTS COMPLETED:

1. "Individualized Instruction for Specific Business and Office D.O.T."

2. "Inter-Disciplinary Health-Medical Services Vocational Training"

3. "Coordinated Occupational Education - Grades 7 and 8"

4. "Develop the 3,5, and 10 year plan for Vocational-Technical Education Research in the State of Washington"

5. "ERIC Retrieval -- Northern Colorado Educational Board of Cooperative Services"

6. "A Proposal for the Development of an Occupational Training Needs and Vocational Enrollment Forecast Model"

7. "A Survey of the Training Needs of Pesticide Applicators in Eastern Washington"

8. "Elementary Occupational Awareness; A VIEW Deck Study"

9. "Stochastic Estimation Model for Vocational Education Training Needs"

10. "Employment and Recruitment Project Conference"

11. "Environmental/Ecological Center Feasibility Study"

12. "An Appraisal of an Occupational Awareness Program"

13. "Preparation of Elementary Teachers for Career Education"

14. "World of Work - Greenhouse Operations"

15. "Development and Demonstration of a Follow-up Model Procedure"

Washington

16. "Community Conference for Occupational Education"

17. "Utilizing Community Resources - Cooperative Lay Counseling Program"

18. "A Comparative Evaluation of Two Approaches for Disseminating Occupational Information Contained in VIEW"

19. "Guidelines for Distributive Education in the New Concepts of Career Education"

20. "Writing a Proposal for Developing District Wide Self-Evaluation Instruments"

21. "Development of Child Care Attendant Occupational Class"

22. "Feasibility of Student Operated Business to Increase Number of On-The-Job Training Stations in Camas, Washington"

23. "Workshop on Career Awareness for Elementary Teachers in Intermediate School District No. 106"

24. "BETTER" (Business Education for Teachers Through Efficient Use of Resources)"

25. "Workshop in Research and Career Education"

26. "Summer Cooperative Education Project"

27. "NYC/CAREERS PROGRAM"

28. "Occupational Awareness Mobile Unit Evaluation"

29. "Evaluation and Documentation of Institute on Cooperative Education"

30. "Workshop on Workshops"

31. "Annotated Bibliography of Career Awareness and Exploration for Secondary School Students"

Washington

32. "WISE" (Welding Instructors Survey and Evaluation)"

33. "EVA" (Early Vocational Awareness)"

34. "Comparison of Cooperative Versus Classroom Training in Office Practice"

35. "Skills Center Feasibility Study"

36. "HOW ARE WE DOING"

NEW PROJECTS FUNDED:

1. "Employment and Recruitment Project Conference"

2. "Early Vocational Awareness"

3. "Environmental/Ecological Center Feasibility Study"

4. "Skills Center Feasibility Study"

5. "Comparison of Cooperative Versus Classroom Training of Office Practice"

6. "Appraisal of An Occupational Awareness Program"

7. "Occupational Awareness Mobile Unit Evaluation"

8. "How Are We Doing"

9. "Workshop on Workshops"

10. "Evaluation and Documentation of Institute on Coop Education"

11. "Project WISE"

12. "Annotated Bibliography of Career Awareness for Secondary Students"

Washington

RESEARCH RELATED ACTIVITIES:

1. Attended, hosted or participated in a variety of meetings and conferences

2. Provided consultative services to various school districts, colleges, institutions and agencies

3. Added a specialist to the RCU staff whose primary responsibility is evaluation and dissemination of R&D materials

PROJECTS AND ACTIVITIES PLANNED:

1. Investigations into methods of increasing and improving vocational education in the small high school, and articulation of vocational education - secondary to postsecondary

2. An increased dissemination effort

3. Coordinating exemplary (new assignment) and research programs

4. Implementing a new plan for research based on findings of a fiscal 1973 project

WEST VIRGINIA

Clarence E. Burdette, State Director for Vocational Education
Glenn E. Smith, RCU Director

PROJECTS COMPLETED:

1. "A Comprehensive Plan for the Development of Vocational Education in Boone County"

NEW PROJECTS FUNDED:

1. "A Comprehensive Plan for the Development of Vocational Education in Cabell and Wayne Counties"

2. "The System Approach: An Emerging Behavioral Model for Guidance-Operation Guidance II"

3. "Research and Development Project in Career Education"

RESEARCH RELATED ACTIVITIES:

1. Monitored approved research and exemplary program projects

2. Continued operation and further development of the West Virginia Comprehensive Data System for Vocational Education

3. Designed and conducted a Statewide survey to determine the status of career education in West Virginia

4. Continued operation of an Educational Information Service Center

PROJECTS AND ACTIVITIES PLANNED:

1. Continue monitoring of approved research projects

2. Continue operation and development of the West Virginia Comprehensive Data System for Vocational Education

3. Review vocational education facility needs in the State

WISCONSIN

Eugene Lehrmann, State Director for Vocational Education
Roland J. Krogstad, RCU Director

PROJECTS COMPLETED:

1. "Project Decision: Audiovisual-Tutorial Career Education for the High School Student"

NEW PROJECTS FUNDED:

1. "Evaluation of Civil Structural Curriculum"
2. "Individualized Instruction for Rural Providers of Day Care Services"
3. "Attitudes Toward Instructions"
4. "Evaluation of Architectural Curriculum"
5. "Physics Requirements for Engineering Technicians"
6. "Career Education Project Office"
7. "Computer Augmented Accounting"
8. "Program Evaluation Model"
9. "Vocationally Coordinated Curriculum for General Education"
10. "Task Analysis for Optometric Assistant Program"
11. "Interaction of Learning Styles"
12. "Evaluation of Civil Highway Curriculum"
13. "Multi-Research and Curriculum Project"
14. "Feasibility of Health Related Occupations Curricula"
15. "Multi-Research and Development Project"

Wisconsin

16. "Graduate Student Research Grants - Phase III"
17. "Evaluation of Secretarial Science"
18. "Career Mobile Project"
19. "Career Consultant Project"
20. "Decision II"
21. "Small Store for Fashion Merchandising"
22. "Computer Augmented Accounting"
23. "Career Resource Bank"
24. "Career Telephone Service"
25. "Career Education Center"
26. "Learning Resource Center"
27. "Career Information for Area High Schools"
28. "Study of Vocational Assessment of Handicapped"

RESEARCH RELATED ACTIVITIES:

1. Completed student and staff evaluation of Quarter System at Western Wisconsin Vocational, Technical, and Adult Education District
2. Completed an Examination to Determine the English Competencies Required of Secretaries in the Administrative, Legal, and Medical Areas With a Synthesis Into A Core of Common Competencies to be Used in Forming a Basis for an English Curriculum
3. The initial followup study of graduates, nongraduates, completers, and withdrawals was completed

4. Completed schematic room drawings of classroom facilities

5. Conducted review of State Referral on Facilities Data Element Definitions and Suggestions for Compliance with NCHEMS at WICHE Facilities Inventory and Classification Manual

6. Conducted evaluation of ERIC and Professional Library Resources

7. Completed room and student station utilization

8. Conducted study of some effects of general education on first-year students at the post-high school vocational technical institution

PROJECTS AND ACTIVITIES PLANNED:

1. Counselor aid program

2. Development of a Proposal for an environmental technical program

3. Development of a proposal for a farm business management program

4. Development of core curriculum for pollution abatement and control technician

5. A study of the correlation between DAT score and Reading scores

6. A study of the correlation between reading tests scores and withdrawals

7. Second followup study (1969 graduates)

8. Third followup study (1967 graduates)

9. Student institutional evaluation

10. Updating physical facilities

11. Monthly review of ERIC system, RIE bulletins, and dissemination of resumes to faculty

12. Inservice education through professional library materials and weekly faculty bulletin summaries

13. Development and evaluation to train part-time service instructors in rural areas

14. Developing individualized instruction for rural disadvantaged providers of family day care service

WYOMING

Fred P. Black, State Director for Vocational Education
Fred P. Black, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Occupational Facilities Study, Newcastle High School"
2. "Career Guidance Testing"
3. "Audio-Visual for Welding Technology"

RESEARCH RELATED ACTIVITIES:

1. Management of data collection
2. Development of State Plan
3. Evaluated occupational program
4. Planned for EPDA summer workshops

PROJECTS AND ACTIVITIES PLANNED: NONE

PUERTO RICO

Rafael Ortiz, Acting State Director for Vocational Education
Amalie Ll. De Charneco, RCU Director

PROJECTS COMPLETED:

1. "Followup Study of Graduates of Vocational and Technical Education Courses, 1971-72"

2. "Report of the Task Force for the Study of the Guidance Program of the Puerto Rico Department of Education, Vocational and Technical Education Program on Contract with College Entrance Examination Board"

3. "Followup Study of Graduates of the Televised Course on Automobile Electromechanics"

NEW PROJECTS FUNDED:

1. "Development of a Comprehensive Model for Career Education in Puerto Rico"

2. "Study on Training Needs on Specialized Vocational Agriculture in Puerto Rico"

3. "Study to Evaluate Student's Achievement in the Different Business Subjects at the Mayaguez Educational Region"

4. "Curriculum Development Basic to the Training of Individuals for Employment in Agri-Business"

5. "Development of Guides and Tests for Self-Study in Business Education for Youth and Adults"

6. "Adaptation of the Industrial Arts Curriculum Through the Implementation of the Course "The World of Construction" in Twelve Rural - Junior - High Schools"

7. "Curriculum Development for a Course in Pharmacist Assistants for the Health Occupations Program"

8. "Evaluation of the Home Economics Occupational Education Program in Puerto Rico"

Puerto Rico

9. "Followup Study of Graduates of the Televised Course on Automobile Electromechanics"

10. "Enrichment of the Office Practice Course at the Post-secondary Level and Organization of a Model Office"

11. "Career Education Program at Palmarejo Rural Second Unit in Lajas School District to Acquaint Elementary and Junior High School Students with Career Possibilities"

12. "The Training of Disadvantaged and Unemployed Youngsters on Methods and Techniques of Modern Agriculture for the Production, Collection, Classification, Packing and Cooperative Marketing of Vegetables and Minor Crops"

13. "A Model State Pedagogical Resources Center for Designing, Producing, Testing, Revising, and Disseminating Teaching, Audiovisual and Other Educational Materials for Students of Regular, Special and Postsecondary Programs for Vocational and Technical Education in Puerto Rico"

RESEARCH RELATED ACTIVITIES:

1. Provided Statistical Data on Vocational and Technical Education Programs for Baseline Project, a National Study on Vocational Education and Manpower Training

2. Submitted semiannual report to the Governor's Office Planning Board of the on-going research and curriculum development projects

3. Submitted report to the U.S.O.E., validating the information on State Part D exemplary projects developed under Section 142(b)of P.L. 90-576 for Fiscal Years 1971-72 and 1972-73

4. Submitted Report to the Congress on the utilization of the 1968 Vocational Education Amendments funds in Puerto Rico, to be printed as an official congressional publication.

5. Development of the following proposals:

   a. Proposal for the Creation of a Component for the Translation and Adaptation of Vocational and Technical Education Instructional Materials in Puerto Rico, to be funded under the "Emergency School Aid Act" - (P.L. 92-318) (approved)

   b. Proposal for the Development of a Cooperative Program for the Training of Business Education Teachers at the University of Puerto Rico, to be funded under Vocational Education Amendments of 1968, Part G

   c. Revised transmittal letter and budget to supplement the proposal "Development of a Comprehensive Model for Career Education in Puerto Rico", which was submitted for funding under Part C and of the Vocational Education Amendments of 1968.

6. Prepared a report on exemplary projects in Puerto Rico for presentation and distribution at the RCU Directors Conference in Atlanta, Georgia

7. Organized and conducted a workshop on the ERIC Information System to acquaint personnel from the Vocational and Technical Education Program and from the Regular Education Program on the utilization of the system

PROJECTS AND ACTIVITIES PLANNED:

1. Continue the implementation of the following research projects:

   a. Business Vocabulary Count in Spanish (continued)

   b. Followup Study of Graduates of the Vocational and Technical Education Programs

   c. Study of Training Needs of Specialized Vocational Agriculture in Puerto Rico (continued)

d. Evaluation of the Home Economics Occupational Education Program in Puerto Rico 1970-71 and 1971-72 (continued)

e. The Training of Disadvantaged and Unemployed Youngsters on Methods and Techniques of Modern Agriculture for the Production, Collection, Classification Packing and Cooperative Marketing of Vegetables and Minor Crops (continued)

f. Career Education Program at Palmarejo Rural Second Unit in Lajas School District to Acquaint Elementary and Junior High School Students with Career Possibilities (continued)

g. A Model State Pedagogical Resources Center for Designing, Producing, Testing, Revising and Disseminating Teaching, Audiovisual and Other Educational Materials for Students of Regular, Special and Post-secondary Programs for Vocational and Technical Education in Puerto Rico (continued)

2. Emphasis to the dissemination of curriculum materials produced or developed at the State Pedagogical Resources Center for the Vocational and Technical Education Programs

3. Continue supervising and coordinating the Research and Exemplary Projects assigned to the Puerto Rico Research Coordinating Unit

4. Help in the establishment of a Program Evaluation Review Technique in the Vocational and Technical Education Program (P.E.R.T.)

5. Develop a "standard" program evaluation design for Vocational and Technical Education Programs and Projects

GSA DC 74-9935

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RELATED PUBLICATIONS

Readers of this Semiannual Report might be interested in the following related publications, which are available from the ERIC Document Reproduction Service:

State-Administered Research and Development Projects in Vocational Education: Fiscal Year 1971 and Fiscal Year 1972. (ED-080-748)

State-Administered Exemplary Projects in Vocational Education: Fiscal Year 1970, Fiscal Year 1971, and Fiscal Year 1972. (ED-080-749)

The Role of the National System of Research Coordinating Units in the Research-to-Practice Continuum. (ED-080-688)

The RCU's Role in Implementing the Career Education Concept. (ED-062-558)

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